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**TECHNICAL MEMORANDUM
SEPTEMBER 2000 GROUNDWATER MONITORING REPORT**

**AMERICAN CHEMICAL SERVICE SUPERFUND SITE
GRIFFITH, INDIANA**

Montgomery Watson File No. 2090603

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EXECUTIVE SUMMARY

The long term groundwater monitoring plan at the American Chemical Service, Inc. (ACS) National Priorities List (NPL) Site in Griffith, Indiana, consists of semi-annual sampling of the 44 wells in the monitoring network. In addition, three of the monitoring wells, MW48, MW49, and MW9R are sampled on a quarterly basis and up to five private wells in the vicinity of the Site are sampled once each year. For one of the semi-annual sampling events, the monitoring well samples are analyzed for the full Target Compound List and Target Analyte List (TCL/TAL) parameters. For the other major sampling event, and the minor sampling events, the samples are analyzed for a reduced list of indicator parameters. Each quarter, water levels are measured at all monitoring network points in a single 24-hour period.

This Technical Memorandum summarizes the September 2000 groundwater monitoring activities at the ACS NPL Site. The September event consisted of a major sampling event, with the samples analyzed for the reduced list of indicator parameters, and the sampling of five private wells. All samples and analyses were conducted in accordance with the September 1997 U. S. Environmental Protection Agency (U.S. EPA) approved sampling plan.

The regional groundwater flow in the upper aquifer is from east to west in the vicinity of the ACS facility. At the ACS Site, the flow is diverted to the north and to the south by the barrier wall, installed as part of the ACS final remedy. The potentiometric surface to the northwest of the Site (including the wetland area) is relatively flat due to the effects of the Perimeter Groundwater Containment System (PGCS) trench, barrier wall, and discharge points from the groundwater treatment plant effluent. Depressed water levels in the Town of Griffith Landfill show evidence of the effect of their leachate collection system (LCS). Groundwater flow in the lower aquifer is northward with a hydraulic gradient of 0.00041. This gradient is consistent with previous lower aquifer data presented in earlier groundwater technical memoranda.

Vertical gradients were calculated across the upper and lower aquifers and within the lower aquifer. All gradients were consistent with previous findings. Downward vertical gradients were observed between the upper and lower aquifer. Vertical gradients measured in the lower aquifer were small and variable; of the calculated gradients in the lower aquifer, three were downward, two were upward, and two were within the margin of potential error in water level measurement. Consistent vertical gradient trends are seen in four well nests within the lower aquifer: downward at MW52/MW53, MW30/MW33, and MW54R/MW55, and upward at MW9R/MW34. This variability indicates that there is not an overall trend in vertical gradient data in the lower aquifer.

Groundwater sampling within the upper aquifer was conducted at twenty-one monitoring wells during the September 2000 event. Normally, twenty-three wells are sampled from the upper aquifer, but MW18 did not contain enough water to be sampled, and MW46 could not be found. Detections of volatile organic compounds (VOCs) and inorganics were compared to the maximum baseline concentrations for each well. Chloroethane exceeded

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baseline concentrations in the samples from MW19 and MW45. There were no baseline exceedances of benzene in the upper aquifer wells. Arsenic exceeded baseline concentrations in five upper aquifer monitoring wells. All other inorganic detections were below baseline values.

In the lower aquifer, twenty-one wells were sampled during September 2000. Detections of VOCs and inorganics were compared to the maximum baseline concentration for each well. Benzene and chloroethane were detected above baseline concentrations in samples from MW10C. Chloroethane and benzene concentrations in samples from MW9R are within the range of previous detections. The benzene concentrations since monitoring well MW9 was replaced appear to be continuing their downward trend. Arsenic and lead exceeded baseline concentrations at MW50. All other detections were below baseline values. An action plan is being developed to address the increasing concentrations at ATMW-4D and MW10C.

Five private wells were sampled for TCL organic compounds (VOCs, semivolatile organic compounds (SVOCs), pesticides, and polychlorinated biphenyls (PCBs)) and TAL Metals. No TCL SVOCs, PCBs, or pesticides were detected in samples from the private wells. A few VOCs were detected in samples from the private wells, but all detections were either at estimated concentrations below the detection limit, or below the baseline concentration. Inorganic analytes were detected in the private well samples. Thallium was detected in private wells PW-B (5.2 µg/L) and PW-Y (5.4 µg/L) at estimated concentrations which exceed the maximum contaminant level (MCL) of 2 µg/L. Previous analyses of thallium were non-detect for the private wells, and thallium has not been detected in significant amounts under the ACS Site. All other detected analytes were below the MCLs during the September 2000 sampling event.

A separate report will be submitted that includes a discussion and data evaluation for the groundwater treatment system effluent samples.

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1.0 INTRODUCTION

1.1 LONG TERM GROUNDWATER MONITORING PLAN

The long-term groundwater monitoring plan, approved by U.S. Environmental Protection Agency (U.S. EPA) in September 1997, for the American Chemical Service, Inc. (ACS) National Priorities List (NPL) Site in Griffith, Indiana, consists of two major (semi-annual) sampling events each year and two minor sampling events. The major sampling events consist of sample collection at 44 monitoring wells in the monitoring network. For one of the semi-annual sampling events, the groundwater samples are analyzed for full scan Target Compound List and Target Analyte List (TCL/TAL) parameters. For the other semi-annual sampling event, the samples are analyzed for a reduced list of indicator parameters. The indicator parameters are tetrachloroethene (PCE), trichloroethene (TCE), 1,1,1-trichloroethane (TCA), 1,1-dichloroethene (DCE), 1,2-dichloroethene (1,2-DCE), vinyl chloride (VC), chloroethane, benzene, arsenic, and lead.

The minor sampling events consist of sampling three monitoring wells within the monitoring network, which have shown variable contaminant concentrations during the baseline sampling. These include upper aquifer monitoring wells MW48 and MW49, and lower aquifer monitoring well MW9R. Samples from these monitoring wells are analyzed for indicator parameters.

During each of the four annual sampling events, water levels are collected from the full monitoring network prior to collecting groundwater samples. These measurements are conducted within a 24-hour period and used to construct hydraulic gradient maps and tables.

Once annually, samples are to be collected from up to five private wells and analyzed for the full scan TCL/TAL parameters. This private well sampling has generally been conducted concurrently with the third groundwater monitoring event.

1.2 OBJECTIVES AND SCOPE OF SEPTEMBER 2000 SAMPLING

The September 2000 sampling event was a major sampling event, with sample collection at 42 monitoring wells (two wells, MW-18 and MW-46, could not be sampled; MW-18, because of insufficient water level, and MW-46, because it could not be found). All 42 samples were analyzed for the reduced list of indicator parameters. The following objectives from the long term groundwater monitoring plan apply to the quarterly sampling at the ACS NPL Site.

1. Collect water level data to monitor groundwater flow in the upper and lower aquifers and calculate the hydraulic gradients between the aquifers.

2. Collect water level data to document the performance of the Perimeter Groundwater Containment System (PGCS) and Barrier Wall Extraction System (BWES) and to evaluate changes in the groundwater flow system resulting from the remedial actions (these activities are outlined in the Performance Standard Verification Plan, April 1997). The Groundwater Treatment Plant Quarterly Monitoring Report is submitted under separate cover and includes information on this objective.
3. Collect and analyze groundwater samples from upgradient monitoring wells in the upper and lower aquifer to document background groundwater quality.
4. Collect and analyze groundwater samples from the monitoring wells at the downgradient boundaries of the Site to closely monitor the status of the boundaries of groundwater impacts.
5. Collect and analyze groundwater samples from the interior of the areas of contaminated groundwater to document how concentrations change with time and in response to the remedial actions.
6. Assess progress toward attaining cleanup objectives in contaminated areas.

1.3 ORGANIZATION OF TECHNICAL MEMORANDUM

The results of the September 2000 groundwater monitoring activities at the ACS NPL Site are presented in the following sections of this report:

- Section 1 Objectives and scope of the groundwater monitoring activities
- Section 2 Field data collection activities
- Section 3 Evaluation of the September 2000 sampling data
- Section 4 Summary and Conclusions

Tables, figures and appendices are presented at the end of this report.

A baseline sampling report was completed following the September 1997 sampling event and included a long-term Groundwater Monitoring Plan. In accordance with the U.S. EPA-approved Groundwater Monitoring Plan, this Technical Memorandum compares the September 2000 groundwater analytical results to the highest detected concentrations observed for each well and parameter during the baseline sampling. This comparison table is found in Appendix A.

2.0 FIELD DATA COLLECTION ACTIVITIES SEPTEMBER 2000

Field activities were conducted from September 18 through 22, 2000 at the ACS Site. The groundwater monitoring activities were conducted in accordance with the U.S. EPA-approved Specific Operating Procedures (SOPs), the Pre-Design Quality Assurance Project Plan (QAPP) submitted in August 1995, and U.S. EPA comments regarding the Pre-Design QAPP. All monitoring wells were purged and sampled using low-flow methods in accordance with the approved Monitoring Well Sampling Proposal and Protocol SOP for the Upper Aquifer Investigation (Revision: July 25, 1996). The September 2000 groundwater sampling event consisted of the following activities:

- Measurement of water levels in 132 upper and lower aquifer wells, piezometers, and staff gauges on September 18, 2000.
- Upper aquifer monitoring: collection of groundwater samples from 21 monitoring wells and analyses for indicator parameters. Two upper aquifer wells could not be sampled: MW-18 contained less than three feet of standing water, so there was not enough to obtain a representative sample. MW-46, located in the wetlands west of the Site, could not be found due to thick, high wetland growth.
- Lower aquifer monitoring: collection of groundwater samples from 21 monitoring wells and analysis for indicator parameters.
- Collection of groundwater samples from five residential wells and analysis for TCL and TAL parameters.

2.1 WATER LEVELS

Water level measurements were collected at the majority of upper and lower aquifer wells, piezometers, and surface water staff gauges on September 18, 2000. The water level measurements were utilized to determine horizontal gradients in the upper and lower aquifers, and to calculate vertical gradients between the aquifers, and within the lower aquifer. Table 1 contains water level measurements, map coordinates (reference points), top of inside well casing elevations, and calculated groundwater elevations for the measurement points.

2.2 GROUNDWATER SAMPLING

Prior to sampling the monitoring wells, each well was purged using low-flow methods in accordance with the U.S. EPA approved Monitoring Well Sampling SOP of the Upper Aquifer Investigation (revision: March 21, 1997). Field parameters (pH, specific conductivity, temperature, dissolved oxygen (DO), oxidation-reduction potential (ORP),

and turbidity) were measured and recorded during well purging activities. Table 2 presents a summary of the field parameter results. Monitoring well MW-18 was not sampled because there was an insufficient water column in the well¹.

The groundwater samples were sent overnight under chain-of-custody to CompuChem Laboratory, Cary, North Carolina, where they were analyzed for the parameters summarized in Tables 3, 4, and 5. The tables summarize well identification, well screen depth (lower aquifer only), well location, and monitoring parameters.

¹ A water column of at least three feet is required to collect a representative and accurate groundwater sample. The intake of the Grundfos™ sampling pump is at the top of the pump. During operation, the Grundfos™ pump cools itself by contact with the surrounding water. Without the cooling effect of the water, the pump will overheat and fail to operate properly, and also cause the groundwater temperature to increase, which may alter the sample composition by driving off VOCs. Because drawdown of up to one foot is expected during sampling, two feet of water is required above the intake of the pump. Since the pump length is about 1 foot, the pump intake will be located at least one foot above the bottom of the well. These requirements are the basis for minimum three feet of water in a well.

3.0 EVALUATION OF SEPTEMBER 2000 SAMPLING DATA

3.1 GROUNDWATER FLOW SYSTEM DATA

Water table and potentiometric surface maps were developed for the upper and lower aquifers and the overall horizontal hydraulic gradient was calculated for the lower aquifer. Vertical hydraulic gradients were calculated across two aquifer horizons: within the lower aquifer, and between the upper and lower aquifers. The following sections present and discuss the general flow directions in the upper and lower aquifers and the calculated gradients.

Vertical hydraulic gradients were calculated for the lower aquifer using water level measurement data from adjacent wells and piezometers screened at different depths within the aquifer. The vertical hydraulic gradients measured within the wetland area of the upper aquifer has consistently been small and upward, and further discussion of this data is not presented here.

3.1.1 Groundwater Flow in the Upper Aquifer

The upper aquifer matrix is homogeneous silty sand with no evidence of interlayering or bedding complexities. Many years of groundwater flow monitoring have shown that the natural regional groundwater flow in this aquifer is westward. The barrier wall, completed in 1997, has affected the groundwater flow by diverting it to the north-northwest and to the south-southeast.

Figure 1 presents the upper aquifer water table elevations from data collected on September 18, 2000. Due to the large number of data points (6 staff gauges, 22 wells, and more than 79 piezometers), little interpolation was required to develop detailed contour plots. Since the Remedial Investigation in 1991, all water table maps developed for the ACS Site have consistently shown the same general groundwater flow patterns. The gradient to the northwest of the site is relatively flat due to the affects of the PGCS trench, barrier wall, and discharge points from the groundwater treatment plant. Southwest of the Site, the water levels are depressed due to the effects of the Town of Griffith Landfill's leachate collection system.

3.1.2 Groundwater Flow in the Lower Aquifer

The lower aquifer groundwater elevations listed in Table 1 were used to develop a potentiometric surface map for the lower aquifer (Figure 2). The groundwater flow in the lower aquifer is northward, consistent with historical groundwater data. The horizontal hydraulic gradient in the lower aquifer was calculated using the measured difference in head between MW50, located south of the Site, and MW52, located northwest of the Site in the wetlands. This difference, 0.99 feet on September 18, 2000, was divided by the lateral distance between the two wells (2,429 feet). Based on this calculation, the horizontal hydraulic gradient in the lower aquifer is 0.00041. This is consistent with the relatively low gradients historically calculated for the lower aquifer, as summarized below.

Report of Hydraulic Gradient in Lower Aquifer		Horizontal Hydraulic Gradient
Technical Memorandum	(October 1995)	0.00041
Lower Aquifer Tech Memo	(September 1996)	0.00047
Groundwater Monitoring Report	(August 1996)	0.00047
Groundwater Monitoring Report	(November 1996)	0.00049
Groundwater Monitoring Report	(March 1997)	0.00040
Groundwater Monitoring Report	(June 1997)	0.00044
Groundwater Monitoring Report	(September 1997)	0.00035
Groundwater Monitoring Report	(December 1997)	0.00039
Groundwater Monitoring Report	(June 1998)	0.00042
Groundwater Monitoring Report	(September 1998)	0.00029
Groundwater Monitoring Report	(December 1998)	0.00024
Groundwater Monitoring Report	(March 1999)	0.00033
Groundwater Monitoring Report	(June 1999)	0.00038
Groundwater Monitoring Report	(September 1999)	0.00035
Groundwater Monitoring Report	(November 1999)	0.00030
Groundwater Monitoring Report	(March 2000)	0.00039
Groundwater Monitoring Report	(June 2000)	0.00041
September 2000 Groundwater Monitoring Report		0.00041
Average		0.00039

3.1.3 Vertical Gradients in the Lower Aquifer

Seven nested well sets are screened in the lower aquifer. At each location, there are two or three monitoring wells and/or piezometers, each screened at a different depth within the lower aquifer. The depth intervals include the upper portion, the middle portion, and the lower portion.

The water level elevations at each of these wells (Table 1) were used to calculate vertical hydraulic gradients in the lower aquifer at each location. Table 6 summarizes the calculated vertical gradients. Calculated vertical gradients from September 2000 are shown in their historical context in the following tabulation:

Well/Piezometer Nest	Sept 1998	Nov 1998	Mar 1999	June 1999	Sept 1999	Nov 1999	Mar 2000	June 2000	Sept 2000
MW7/PZ44	NA	WU	WU	WU	-0.0016	0.0064	-0.0016	-0.1208	WU
MW8/MW32	WU	-0.0033	0.0011	-0.0007	0.0227	WU	0.0017	-0.0009	0.0013
MW9R/MW34	WU	0.0006	WU	0.0037	0.0040	0.0037	0.0040	0.0035	0.0035
MW30/MW33	NA	WU	WU	-0.0058	WU	-0.0005	WU	-0.0063	-0.0016
MW28/PZ43	0.0045	0.0008	0.0011	0.0025	0.0140	0.0029	-0.0012	-0.0025	WU
MW52/MW53	-0.0006	-0.0008	-0.0012	-0.0008	-0.0002	-0.0008	-0.0010	-0.0010	-0.0004
MW54R/MW55	NA	NA	-0.0069	-0.0077	-0.0071	-0.0020	-0.0055	-0.0061	-0.0081

Notes

WU = Within uncertainty of measurement technique.

NA = A water elevation necessary for the calculation was not available.

Negative value indicates downward gradient.

Of the calculated vertical gradients across the lower aquifer, three were downward, two were upward, and two were within the uncertainty of the measurement technique. Consistent downward vertical gradients are observed at well nests MW30/MW33, MW52/MW53, and MW54R/MW55, and consistent upward vertical gradients are observed at well nest MW9R/MW34. This tabulation indicates a small generally downward gradient at most locations. The anomalous gradient at MW7/PZ44 during June 2000 returned to a value more consistent with previous readings. All gradients showed similar readings to previous sampling events.

3.1.4 Vertical Gradient Between Upper and Lower Aquifer

Water level elevations from upper and lower aquifer monitoring points were utilized to calculate the vertical hydraulic gradient between the two aquifers at three locations (P28/MW8, P27/MW9R, and P8/MW7). Vertical gradients were calculated by dividing the difference in head between the upper and lower aquifer wells by the thickness of the clay-confining layer between the two wells. These are summarized in Table 7. The gradients at these locations are consistent with previous findings. The results show that there is a relatively strong downward gradient from the upper aquifer to the lower aquifer.

3.2 MONITORING WELL SAMPLE DATA

Groundwater samples were analyzed for indicator parameters (PCE, TCE, TCA, DCE, 1,2-DCE, VC, chloroethane, benzene, arsenic, and lead). The laboratory results were validated in accordance with U.S. EPA Region V guidelines, *U.S. EPA Contract Laboratory Program National Functional Guidelines For Organic Data Review (1994)* and *Inorganic Data Review (1994)*. Validation narratives and laboratory analytical reports for samples from the upper aquifer and the lower aquifer are provided in Appendices C and D, respectively.

The analytical results for the September 2000 quarterly sampling were evaluated for evidence of contaminant migration, changes in contaminant concentrations over time in response to remedial actions, and the presence of contaminants in the lower aquifer. Time trend plots for monitoring wells M-4S, MW6, MW11, MW12, MW13, MW14, MW15, MW18, MW19, MW37, MW38, MW39, MW40, MW41, MW42, MW43, MW44, MW45, MW46, MW47, MW48, MW49, MW9R, MW10C, and ATMW4D are presented in Appendix B. The following sections summarize the results of the organic analyses in the upper aquifer (Section 3.2.1), the organic analyses in the lower aquifer (Section 3.2.2), and the inorganic analyses in both aquifers (Section 3.2.3).

3.2.1 Groundwater Sampling Results in the Upper Aquifer

The Site source areas are currently contained within the barrier wall, which prevents future migration of contaminants to adjacent areas. Because of this, the groundwater monitoring program is focused on the adjacent areas not confined by the barrier wall. These surrounding areas are: the areas north and west of the ACS Facility, referred to as the North

Area; the area south/southeast of Colfax Avenue, referred to as the South Area; and the Town of Griffith Landfill, which covers the area to the southwest of the ACS Site.

Table 8 and Figure 3 present a summary of indicator organic compounds detected in groundwater samples collected from wells in these areas during the September 2000 sampling event. Appendix A also provides a summary table of the analytical data for this round.

3.2.1.1 VOCs

Figure 3 shows the location of VOC detections in upper aquifer wells on a map of the ACS Site. The impact to groundwater in the three surrounding areas is comprised primarily of chloroethane and benzene. The only other VOC detected during September 2000 was trans-1,2-dichloroethene (tDCE). All detections of tDCE were estimated concentrations below the reporting limit. Below is a discussion of the VOC analytical results for each of the three surrounding areas.

North Area. The North Area is monitored by an array of groundwater monitoring wells located hydraulically upgradient of the North Area, within the North Area, at the edge (side gradient) of the North Area, and hydraulically downgradient from the edge of the North Area. These wells are as follows:

Upgradient (east/northeast of Site)	Interior (north of Site)	Side Gradient (north of Site)	Downgradient (north of Site)
MW11	MW13	MW39	MW37
MW12	MW48		MW38
MW40	MW49		

No VOCs were detected in groundwater samples from the upgradient wells. Benzene and tDCE were detected at side-gradient well MW39, however, the estimated concentrations of these compounds (1 and 2 µg/L, respectively) were below the baseline concentrations for these compounds. No VOCs were detected in groundwater samples from downgradient wells MW37 and MW38.

Chloroethane and benzene were detected in interior wells MW48 and MW49, but did not exceed maximum baseline concentrations during the September 2000 sampling event. Concentrations of benzene and chloroethane in these wells continue to show decreasing trends. Time trend plots for these compounds are found in Appendix B. tDCE (1 µg/L) was detected at estimated concentrations in MW49. The following table summarizes historical benzene and chloroethane detections in MW48 and MW49:

Monitoring Wells MW48 and MW49 (Upper Aquifer)

Monitoring Well	MW48		MW49	
Sampling Date	Benzene	Chloroethane	Benzene	Chloroethane
Baseline Value	9,500 µg/L	1,000 µg/L	6,750 µg/L	715 µg/L
August 1996	9,100 µg/L	1,000 µg/L	5,000 µg/L	480 µg/L
March 1997	5,200 µg/L	620 µg/L	1,600 µg/L	310 µg/L
June 1997	7,700 µg/L	670 µg/L	4,800 µg/L	540 µg/L
September 1997	9,500 µg/L	980 µg/L	8,200 µg/L	810 µg/L
December 1997	3,800 µg/L	300 µg/L	3,300 µg/L	250 µg/L
June 1998	9,500 µg/L	720 µg/L	4,500 µg/L	450 µg/L
September 1998	7,800 µg/L	610 µg/L	4,700 µg/L	650 µg/L
December 1998	5,500 µg/L	420 µg/L	4,200 µg/L	440 µg/L
March 1999	1,900 µg/L	83 µg/L	1,900 µg/L	180 µg/L
June 1999	5,700 µg/L	290 µg/L	2,600 µg/L	220 µg/L
September 1999	5,400 µg/L	290 µg/L	2,200 µg/L	210 µg/L
November 1999	2,400 µg/L	140 µg/L	2,400 µg/L	260 µg/L
March 2000	220 µg/L	24 µg/L	530 µg/L	91 µg/L
June 2000	3,800 µg/L	160 µg/L	ND	ND
September 2000	4,100 µg/L	100 µg/L	630 µg/L	220 µg/L

Chloroethane and benzene were not detected in interior well MW13 during the September 2000 sampling round. Concentrations of chloroethane and benzene have not been detected at MW13 since the barrier wall and perimeter groundwater containment system were completed. The following table summarizes historical chloroethane and benzene detections in MW13:

Monitoring Well MW13 (Upper Aquifer)

Sampling Date	Chloroethane	Benzene
Baseline Value	570 µg/L	610 µg/L
November 1996	97 µg/L	6 µg/L
March 1997	330 µg/L	170 µg/L
June 1997	570 µg/L	610 µg/L
September 1997	160 µg/L	33 µg/L
December 1997	20 µg/L	ND
June 1998	82 J µg/L	2.0 J µg/L
December 1998	ND	ND
June 1999	ND	ND
November 1999	ND	ND
March 2000	ND	ND
September 2000	ND	ND

Note:

J qualifier indicates concentration is estimated.

ND indicates compound was not detected

South Area. The South Area is monitored by an array of groundwater wells located hydraulically upgradient of the South Area, within the South Area, at the edge (side gradient) of the South Area, and hydraulically downgradient from the edge of the South Area. These wells are as follows:

Upgradient (south/east of Site)	Interior (south/southeast of Site)	Side Gradient (south/southeast of Site)	Downgradient (southeast of Site)
MW18	MW6	MW41	MW15
	MW45	MW44	MW42
	MW19	MW47	MW43

Chloroethane and benzene were not detected in side-gradient or downgradient wells, except for MW15, in which benzene was detected at an estimated concentration (2 µg/L) below the maximum baseline concentration.

Upgradient well MW18 contained about 2 feet of water, which was not enough water to collect an adequate sample. This well was not sampled in March 2000 for the same reason. This well appears to be obstructed, since the well construction log indicates that the total depth of the well should be 22 feet, and the total depth recorded in September 2000 was 12.45 feet. The usefulness of this well will be evaluated during the upcoming revision to the long-term groundwater monitoring plan.

Chloroethane and benzene were detected in interior wells MW06, MW19, and MW45. The concentrations of benzene and chloroethane detected at well MW6 were below baseline concentrations. While concentrations of benzene did not exceed baseline levels, chloroethane concentrations in MW19 (35 µg/L) and MW45 (820 µg/L) exceeded the baseline values for these wells (20 and 215 µg/L, respectively). Chloroethane concentrations at MW19 have increased over the past three sampling events. The chloroethane exceedance in the sample from MW45 seems to be an anomaly, since concentrations of chloroethane and benzene at this well have decreased over the last several events. The proposed response action to the exceedances for these wells is to continue monitoring these locations. Below are summaries of benzene and chloroethane concentrations at wells MW06 and MW45.

Monitoring Well MW06 (Upper Aquifer)

Sampling Date	Benzene	Chloroethane
Baseline Value	320 µg/L	720 µg/L
November 1996	320 µg/L	720 µg/L
March 1997	35 µg/L	67 µg/L
June 1997	39 µg/L	140 µg/L
September 1997	140 µg/L	140 µg/L
December 1997	1,900 µg/L	550 J µg/L
June 1998	72 J µg/L	350 J µg/L
December 1998	930 µg/L	840 µg/L
June 1999	180 µg/L	78 µg/L
(cont.)		

Sampling Date	Benzene	Chloroethane
Baseline Value	320 µg/L	720 µg/L
November 1999	480 µg/L	310 µg/L
March 2000	2,100 µg/L	420 J µg/L
September 2000	130 µg/L	22 µg/L

Note:

J qualifier indicates concentration is estimated.

Monitoring Well MW45 (Upper Aquifer)

Sampling Date	Benzene	Chloroethane
Baseline Value	1045 µg/L	215 µg/L
August 1996	530 µg/L	82 J µg/L
March 1997	1,045 µg/L	215 µg/L
June 1997	940 µg/L	120 µg/L
September 1997	860 µg/L	120 µg/L
December 1997	670 µg/L	130 J µg/L
June 1998	670 J µg/L	120 J µg/L
December 1998	500 µg/L	88 µg/L
June 1999	360 µg/L	38 µg/L
November 1999	340 µg/L	32 µg/L
March 2000	290 µg/L	38 µg/L
September 2000	43 µg/L	820 µg/L

Notes:

J qualifier indicates concentration is estimated.

ND indicates compound was not detected

Griffith Landfill. The Griffith Landfill covers the area to the southwest of the Off-Site Containment Area of the Site. Three upper aquifer wells were sampled within the landfill area: Griffith Landfill wells M-1S and M-4S, and monitoring well MW15.

Neither benzene nor chloroethane were detected in well M-1S. Benzene was detected in MW15 at relatively low, estimated concentrations. Chloroethane and benzene were detected in the sample collected at M-4S, located at the northeast boundary of the landfill. These concentrations were below the baseline concentrations for well M-4S. The concentration of chloroethane in samples from M-4S has fluctuated over the last several years. Because M-4S is located on the Landfill property and groundwater quality at this location is likely to be strongly influenced by landfill leachate, we will continue to monitor M-4S.

3.2.1.2 SVOCs

Semivolatile organic compounds (SVOCs) were not analyzed as part of the September 2000 groundwater monitoring activities within the upper aquifer in accordance with the approved Groundwater Monitoring Plan.

3.2.1.3 Pesticides and PCBs

Pesticides and PCBs were not analyzed as part of the September 2000 groundwater monitoring activities within the upper aquifer in accordance with the approved Groundwater Monitoring Plan.

3.2.1.4 Tentatively Identified Compounds (TICs)

Several VOC tentatively identified compounds (TICS) were detected in upper aquifer monitoring wells during September 2000. Ether was detected in the following five upper aquifer monitoring wells: MW06 (5 µg/L), MW45 (12 µg/L), MW13 (6 µg/L), MW19 (5 µg/L), and MW15 (12 µg/L). Other VOC TICs detected during September 2000 include diethyl sulfide, 1,4-dioxane, tetrahydrofuran, indane, cyclohexane, various benzene- and methane-related compounds, and unknown compounds. The complete listing of TICs is compiled in Appendix C with the analytical results.

3.2.2 Groundwater Sampling Results from the Lower Aquifer

Table 9 presents a summary of indicator organic compounds detected in groundwater samples collected from lower aquifer monitoring wells during the September 2000 sampling event. Appendix A also provides a summary table of the analytical data for this round.

3.2.2.1 VOCs

Figure 4 summarizes the VOC detections in groundwater samples collected from lower aquifer monitoring wells. Benzene and chloroethane were the only VOCs detected during the September 2000 sampling event. Both benzene and chloroethane were detected at monitoring wells ATMW-4D, MW09R, and MW10C. Benzene was also detected at monitoring wells MW30, MW53, and MW54R, and chloroethane was detected at monitoring well MW29. Below is a discussion of these detections.

The September 2000 benzene concentrations at MW09R increased slightly over the June 2000 sampling event, but have showed the continued decreasing trend over the last several sampling events. Chloroethane concentrations have increased over the last few sampling events. Both benzene and chloroethane concentrations were below baseline values. The following tabulation shows how the concentration of benzene has decreased since the original MW09 was replaced with MW09R:

Monitoring Well MW09/MW09R

Sampling Date	Benzene	Chloroethane
Baseline Value	310 µg/L	2900 µg/L
March 1997	310 µg/L	2900 µg/L
June 1997	280 µg/L	1700 µg/L
September 1997	290 µg/L	1800 µg/L
December 1997	260 µg/L	2000 µg/L
June 1998*	110 µg/L	1400 µg/L
September 1998*	100 µg/L	2000 µg/L
(cont.)		

Sampling Date	Benzene	Chloroethane
Baseline Value	310 µg/L	2900 µg/L
December 1998*	160 µg/L	2300 µg/L
March 1999*	130 µg/L	760 µg/L
June 1999*	160 µg/L	490 µg/L
September 1999*	120 µg/L	650 µg/L
November 1999*	160 µg/L	540 µg/L
March 2000*	120 µg/L	460 µg/L
June 2000*	60 µg/L	660 µg/L
September 2000*	65 µg/L	970 µg/L

*Sample collected from replacement well MW09R

Benzene and chloroethane concentrations at MW10C exceeded the maximum baseline concentrations in the September 2000 sampling event. Concentrations of benzene and chloroethane have commonly fluctuated over the last several years. This well will continue to be monitored during the next several events. The following tabulation shows the historical concentrations of benzene and chloroethane at MW10C.

Monitoring Well MW10C

Sampling Date	Benzene	Chloroethane
Baseline Value	150 µg/L	420 µg/L
May 1990	ND	ND
January 1995	ND	ND
November 1996	ND	120 µg/L
March 1997	ND	140 µg/L
June 1997	ND	440 µg/L
September 1997	ND	420 µg/L
December 1997	ND	160 µg/L
June 1998	ND	160 µg/L
December 1998	66 µg/L	150 µg/L
June 1999	2,000 µg/L	2,600 µg/L
September 1999	83 µg/L	88 µg/L
November 1999	340 µg/L	360 µg/L
March 2000	120 µg/L	180 µg/L
June 2000	150 µg/L	160 µg/L
September 2000	520 µg/L	630 µg/L

Monitoring well ATMW-4D was installed in September 1985 by ACS, Inc. This well was not included in the baseline sampling events and therefore there is no baseline for comparison. It has now been sampled five times since 1998, and concentrations of benzene in the groundwater samples from this well have increased significantly since March 2000. This well was sampled during the November 2000 sampling event and preliminary laboratory results show that benzene and chloroethane have increased since September

2000. An action plan is being prepared to respond to these monitoring results. It will be submitted to the U.S. EPA in February 2001. Below is a tabulation showing the sampling results for monitoring well ATMW-4D:

Monitoring Well ATMW-4D

Sampling Date	Benzene	Chloroethane
December 1998	ND	ND
June 1999	ND	ND
November 1999	3 µg/L	9 µg/L
March 2000	12 µg/L	34 µg/L
September 2000	1,200 µg/L	88 µg/L

3.2.2.2 SVOCs

Semivolatile organic compounds (SVOCs) were not analyzed as part of the September 2000 groundwater monitoring activities within the lower aquifer in accordance with the approved Groundwater Monitoring Plan.

3.2.2.3 Pesticides and PCBs

Pesticides and PCBs were not analyzed as part of the September 2000 groundwater monitoring activities within the lower aquifer in accordance with the approved Groundwater Monitoring Plan.

3.2.2.4 Tentatively Identified Compounds (TICs)

Several VOC TICs were detected in the lower aquifer monitoring wells sampled during September 2000. Ether was detected in the following six lower aquifer wells: MW10C (770 µg/L), MW23 (8 µg/L), MW51 (7,200 µg/L), MW52 (1,800 µg/L), MW53 (27 µg/L), and ATMW4D (12 µg/L). Other VOC TICs detected during September 2000 include 1,4-dioxane, 1,3-dioxolane, tetrahydrofuran, di-n-propyl ether, methane-related compounds, and several unknowns. The results are consistent with previous TIC sampling results. The complete listing of TICs is compiled in Appendix D with the analytical results.

3.2.3 Inorganic Chemical Species

The September 2000 inorganic results are compiled in Appendix A along with the maximum baseline concentrations. Table 10 summarizes the baseline exceedances of the inorganic analyses during the September 2000 sampling event. Since only indicator parameters (arsenic and lead) were analyzed during the September 2000 sampling event, the full comparative evaluation for significance will not be completed for these results.

3.2.3.1 Upper Aquifer

Concentrations of arsenic in groundwater samples from upper aquifer monitoring wells M-1S, MW15, MW19, MW43, and MW45 exceeded baseline concentrations during September 2000. Arsenic concentrations in these wells during previous sampling events have been either non-detect or below maximum baseline concentrations. There were no exceedances of lead in the upper aquifer wells.

3.2.3.2 Lower Aquifer

Concentrations of arsenic and lead in groundwater samples from lower aquifer monitoring well MW50 exceeded baseline concentrations during September 2000. During previous sampling events, both arsenic and lead concentrations were below baseline concentrations (March 2000) or not detected (November 1999). The September 2000 exceedances are considered naturally occurring and non-threatening to human health and the environment.

3.3 PRIVATE WELL SAMPLING

In accordance with the approved groundwater monitoring plan, five private wells, each screened in the lower aquifer, were sampled during the September 2000 groundwater sampling event. These included the following:

<u>Well Identifier</u>	<u>Street Address</u>
PW-Y	1002 Reder Road
PW-A	1007 Reder Road
PW-B	1009 Reder Road
PW-C	1029 Reder Road
PW-D	1033 Reder Road

The well locations are shown on Figure 5. Each well was sampled following the approved private well sampling protocol, and the samples were analyzed for full scan TCL/TAL parameters.

No TCL organic compounds were detected in samples analyzed for SVOCs, PCBs, and pesticides from the private wells. A few VOCs were detected at very low concentrations in samples from the private wells: 2-butanone (4 µg/L) at PW-A, bromochloromethane (0.2 µg/L) at PW-C, methylene chloride (0.5 µg/L) and carbon disulfide (0.08 µg/L) at PW-D, and methylene chloride (0.5 µg/L) at PW-Y. For all of these detections, the concentrations were below the detection limit for the compound. Acetone was also detected in the sample from PW-Y at a concentration of 8 µg/L, which is above the detection limit; however, acetone is a common lab contaminant, and it is not believed to have come from the private well.

Several inorganic analytes were detected in the private well samples. Table 11 summarizes the detected inorganic analytes and corresponding MCLs. Thallium was detected at estimated concentrations of 5.2 µg/L in private well PW-B, and 5.4 µg/L in private well PW-Y, both which exceed the maximum contaminant level (MCL) for thallium (2 µg/L). (MCLs are the maximum permissible level of a contaminant in water, which is delivered to any user of a public water system.) Thallium was not detected in the samples from wells PW-B and PW-Y during previous sampling events, and has not been detected in groundwater at significant amounts under the ACS Site. These represent trace levels of naturally occurring metals, and therefore it is not considered that these laboratory results are an indication of effects from the ACS Site.

During the previous residential well sampling event, lead exceeded the MCL in private well PW-D. During September 2000, lead was not detected in this well. No other analyte exceeded its respective MCL.

4.0 CONCLUSIONS

The following conclusions can be drawn for each objective of the Groundwater Monitoring Plan.

Objective 1 was to collect water level data to monitor groundwater flow in the upper and lower aquifers and calculate the hydraulic gradients between the aquifers. The data collected indicates that groundwater flow directions and groundwater gradients for the September 2000 sampling event are consistent with past conditions for both the upper and lower aquifers.

Objective 2 was to collect water level data to document the performance of the PGCS and BWES and to evaluate changes in the groundwater flow system resulting from the remedial actions. The data indicate the barrier wall is containing the groundwater enclosed within the wall. In general, groundwater flow from the east is diverted toward the north/northwest and south/southwest. The groundwater diverted north/northwest is either collected in the PGCS extraction trench or continues to the wetlands. Groundwater diverted south/southwest flows along the barrier wall towards the southwest. These observations are consistent with previous observations.

Objective 3 was to collect and analyze groundwater samples from upgradient monitoring wells in the upper and lower aquifers to document background groundwater quality. There were no detections in upgradient upper aquifer wells MW11, MW12, and MW40. Upgradient well MW18 was not sampled. Upgradient lower aquifer well MW50 also did not have any detections of VOCs. Arsenic and lead concentrations in MW50 did exceed baseline concentrations, however, these are not considered related to ACS Site activities as these compounds did not exceed during the previous two sampling events.

Objective 4 was to collect and analyze groundwater samples from downgradient monitoring wells in the upper aquifer to assess the nature of the plume boundary. Analytical results for all samples collected from the downgradient wells were either non-detect or below baseline concentrations.

Objective 5 was to collect and analyze groundwater samples from the interior of the areas of contaminated groundwater to document how concentrations change with time and in response to the remedial actions. Analytical results for samples collected from the upper aquifer wells indicate exceedances of baseline concentrations for organic compounds within the interior of the South Area (MW19 and MW45). Response action to the baseline exceedances will be to sample again at the next semi-annual sampling event to assess whether or not the baseline exceedances are part of a trend. Concentrations of benzene and chloroethane at North Area interior wells MW48 and MW49, and at South Area interior well MW45 were below the baseline concentrations and have decreased over the past several sampling events. Inorganic baseline exceedances are not considered significant at this time since no trends have been seen related to site activities. In the lower aquifer well MW10C, benzene and chloroethane exceeded baseline concentrations, and at ATMW-4D,

benzene and chloroethane concentrations have shown significant increases over the last few sampling events.

Objective 6 was to assess progress toward attaining cleanup objectives in the contaminated areas. Concentrations of benzene and chloroethane in MW48 and MW49 have decreased over the past several monitoring events, and may be related to ORC injection and the fact that the barrier wall contains the original source material. Concentrations of benzene and chloroethane at MW13 have decreased to non-detect since December 1998, and is likely due to the effects of the Perimeter Groundwater Containment System. Concentrations in MW45 and MW09R have also decreased.

In summary, the groundwater elevation data indicate that no significant changes have occurred in the groundwater flow directions at the ACS Site. The groundwater monitoring data demonstrate that the BWES is working to contain contaminants inside the barrier wall, that contamination outside of the barrier wall has not migrated beyond its historical extent, and that concentrations in contaminated areas outside of the barrier wall have decreased in several areas. While some sample results show variability, most are below baseline values or show decreasing concentration trends. Sample results from the North Area show that the BWES, PGCS, and ORC are resulting in reduced concentrations in the upper aquifer.

However, recent changes in concentrations in the lower aquifer at ATMW-4D and MW10C are of concern. A separate action plan is being developed to propose further investigation of this area.

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Table 1
Groundwater Level Gauging Points - September 2000
American Chemical Service NPL Site
Griffith, Indiana

Upper Aquifer Wells

Well Designation	Reference Points			9/18/00		Notes
	East	North	TOIC	level	Elevation	
MW6	5298	5520	655.28	24.79	630.49	
MW11	6377	7329	640.47	8.67	631.80	
MW12	6019	6352	642.74	10.55	632.19	
MW13	5050	7814	634.08	4.34	629.74	
MW14	4882	6995	638.56	10.82	627.74	
MW15	4721	5003	637.89	7.03	630.86	
MW18	5836	5746	644.89	10.40	634.49	TD=12.45
MW19	5231	4943	635.78	4.90	630.88	
MW37	5395	7976	636.78	7.04	629.74	
MW38	5903	8216	636.51	7.31	629.20	
MW39	6253	7947	637.77	7.15	630.62	
MW40	6349	6831	639.46	7.49	631.97	
MW41	6242	4517	632.74	7.50	625.24	
MW42	6264	3808	632.32	6.25	626.07	
MW43	5880	3719	633.56	6.82	626.74	
MW44	5390	4303	633.04	4.75	628.29	
MW45	5830	4388	635.35	6.95	628.40	
MW46	4526	7424	633.32	NM	NM	Could not find due to wetland growth
MW47	5958	5084	640.54	7.95	632.59	
MW48	5669	7814	636.36	6.51	629.85	
MW49	5551	7650	637.00	6.81	630.19	
M1S	4362	5743	639.09	8.45	630.64	Griffith Landfill Wells
M4S	4953	6537	633.42	3.59	629.83	Griffith Landfill Wells

Staff Gauges

Well Designation	Reference Points			9/18/00		Notes
	East	North	TOSG	level	Elevation	
SG2	4423	6864	622.84	NM	NM	Does Not Exist - Covered by landfill
SG7	5403	6889	637.01	2.2	634.9	
SG8R	5409	5252	634.70	3.2	631.5	
SG1	5023	6196	633.50	NM	NM	Does Not Exist
SG3	4180	7123	631.17	NM	NM	Could not find due to high weeds
SG5	5464	7713	633.36	NM	NM	Dry - 3.40' to ground
SG6	4495	8075	632.97	2.67	630.30	
SG11	5859	8245	634.62	NM	NM	Dry - 3.02' to ground
SG12	5596	7867	634.12	NM	NM	Dry

Notes:

All depth measurements and elevations are in units of feet.

Elevation is in feet above mean sea level.

TD = total depth

TOIC = top of inner casing

TOSG = top of staff gauge

NM = not measured (reason given under "Notes" column)

Table 1
Groundwater Level Gauging Points - September 2000
American Chemical Service NPL Site
Griffith, Indiana

Lower Aquifer Wells and Piezometers

Well Designation	Reference Points			9/18/00		Notes
	East	North	TOIC	Level	Elevation	
MW28	5657	5696	648.77	27.67	621.10	
PZ42	5662	5696	648.44	27.35	621.09	
PZ43	5662	5702	648.69	27.60	621.09	
MW50	5269	5383	649.43	28.30	621.13	
PZ44	6170	6766	638.47	17.90	620.57	
MW7	6113	6732	641.46	20.88	620.58	
MW10C	5229	7554	637.45	17.03	620.42	
MW9R	4893	6990	639.05	18.58	620.47	
MW29	4886	7012	638.06	17.53	620.53	
MW34	4880	7002	638.14	17.50	620.64	
MW23	4717	7404	633.31	12.79	620.52	
MW24	4596	8033	635.22	15.18	620.04	
MW52	4996	7814	632.74	12.60	620.14	
MW53	4977	7833	632.87	12.75	620.12	
MW51	5198	7767	634.16	14.12	620.04	
MW30	5194	7774	634.25	14.19	620.06	
MW33	5189	7774	634.13	14.10	620.03	
MW54R	5590	7592	637.51	17.00	620.51	
MW55	5595	7604	636.63	16.53	620.10	
MW8	5934	7506	640.43	20.16	620.27	
MW31	5907	7505	641.64	21.25	620.39	
MW32	5902	7507	641.84	21.51	620.33	
M4D	4949	6538	633.32	12.69	620.63	
ATMW4D	5297	7311	637.99	17.52	620.47	

Notes:

All depth measurements and elevations are in units of feet.

Elevation is in feet above mean sea level.

TOIC = top of inner casing

Table 1
Groundwater Level Gauging Points - September 2000
American Chemical Service NPL Site
Griffith, Indiana

Piezometers

Well Designation	Reference Points			9/18/00		Notes
	East	North	TOC	level	Elevation	
LW1	4807	5070	644.57	13.44	631.13	
LW2	4662	5465	649.70	18.42	631.28	
P3	5453	6470	639.87	5.29	634.58	
P5	5285	6510	636.70	5.69	631.01	
P7	5950	6630	643.63	11.44	632.19	
P8	6156	6734	639.27	7.24	632.03	
P9	6134	6994	638.88	6.93	631.95	
P10	5413	5852	649.32	14.62	634.70	Strong odor
P11	5199	5900	649.14	14.25	634.89	NAPL thickness = 0.5"
P13	4878	5735	651.20	24.20	627.00	
P15	5003	6187	639.93	8.90	631.03	
P16	4673	5749	648.80	16.45	632.35	
P17	4584	6006	654.64	24.20	630.44	Inside Griffith Landfill
P18	4623	6224	649.84	4.00	645.84	Inside Griffith Landfill
P22	4636	6732	634.30	6.03	628.27	
P23	4689	7018	636.18	7.68	628.50	
P24	5002	7178	636.06	7.97	628.09	
P25	5131	7510	635.01	6.09	628.92	
P26	4764	7309	634.23	5.40	628.83	
P27	4904	7020	639.70	11.57	628.13	
P28	5883	7486	644.53	13.46	631.07	
P29	5738	6619	642.37	7.95	634.42	
P31	5480	7159	641.03	5.39	635.64	
P32	5746	7026	642.32	8.01	634.31	
P36	5410	6851	645.89	11.12	634.77	
P39	5940	6902	642.00	7.79	634.21	
P40	5931	7241	638.77	6.76	632.01	
P41	5663	7377	637.23	5.59	631.64	
P49	5145	6949	638.98	4.84	634.14	
P51	3876	6859	635.07	NM	NM	Could not access due to river
P52	4100	7845	636.66	7.61	629.05	
P53	4597	8015	636.18	6.11	630.07	
P54	4936	8081	638.28	8.24	630.04	
P55	5628	7979	636.08	7.20	628.88	
P56	6405	7665	639.46	7.95	631.51	
P59	6389	6590	639.22	7.19	632.03	
P60	6111	6051	640.23	7.90	632.33	
P61	5533	5284	638.58	7.50	631.08	Hit by mower - Bent riser
P62	5665	4945	637.06	NM	NM	Hit by mower - obstructed
P63	5483	7689	637.70	7.97	629.73	
P64	4617	7065	634.87	5.89	628.98	
P65	4615	7063	634.77	5.69	629.08	
P66	4729	7034	636.02	7.81	628.21	
P67	4732	7034	636.06	7.82	628.24	
P68	4743	7752	634.48	4.41	630.07	
P69	4741	7751	634.66	4.58	630.08	
P70	4880	7680	635.38	6.06	629.32	
P71	4876	7682	635.32	5.76	629.56	

Notes:

All depth measurements and elevations are in units of feet.

Elevation is in feet above mean sea level.

TOC = top of casing

NM = not measured (reason given under "Notes" column)

Piezometers P4, P6, P12, P18, P30, P35, P37, P38, P50, and EW1 are destroyed

Table 1
Groundwater Level Gauging Points - September 2000
American Chemical Service NPL Site
Griffith, Indiana

New Piezometers - Upper Aquifer

Well Designation	Reference Points			9/18/00		Notes
	East	North	TOC	level	Elevation	
PGCS Piezometer Sets						
P81	5577	7581	636.19	6.18	630.01	
P82	5577	7572	635.77	5.74	630.03	
P83	5577	7562	635.95	5.91	630.04	
P84	5322	7603	634.35	5.19	629.16	
P85	5326	7594	634.08	5.78	628.30	
P86	5329	7585	634.41	5.20	629.21	
P87	5121	7466	633.88	5.01	628.87	
P88	5130	7460	633.90	5.08	628.82	
P89	5137	7454	634.02	5.15	628.87	
P90	4881	7152	632.59	5.70	626.89	
P91	4889	7145	632.97	7.35	625.62	
P92	4896	7138	633.63	6.70	626.93	
BWES Piezometer Pairs						
P93	5136	7067	638.79	5.69	633.10	
P94	5146	7061	638.98	NM	NM	Destroyed
P95	5146	6532	638.58	7.60	630.98	
P96	5156	6537	638.39	5.55	632.84	
P97	5098	6283	638.39	7.33	631.06	Strong odor
P98	5130	6279	639.35	6.10	633.25	Strong odor
P99	5020	5945	644.35	12.46	631.89	
P100	5031	5948	643.93	9.15	634.78	
P101	5550	5979	650.08	18.00	632.08	
P102	5517	5996	647.18	NM	NM	Not found
P103	5672	6248	644.97	13.16	631.81	
P104	5639	6267	646.68	11.89	634.79	
P105	5885	6678	638.86	6.57	632.29	
P106	5871	6685	638.10	4.39	633.71	
P107	5766	7339	637.42	6.27	631.15	
P108	5757	7324	638.13	4.06	634.07	
ORC Piezometers						
ORC PZ1	5685	7574	638.57	8.13	630.44	
ORC PZ2	5758	7457	643.43	12.20	631.23	
ORC PZ3	5760	7540	640.24	9.31	630.93	
ORC PZ4	5827	7502	643.79	12.70	631.09	
ORC PZ5	5741	7753	636.21	6.10	630.11	
ORC PZ6	5759	7792	636.13	6.01	630.12	
ORC PZ7	5792	7839	635.85	5.82	630.03	
ORC PZ8	5813	7763	638.16	7.98	630.18	

Notes:

All depth measurements and elevations are in units of feet.

Elevation is in feet above mean sea level.

TD = total depth

TOC = top of casing

NM = not measured (reason given under "Notes" column)

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Table 2
Summary of Field parameter Results - September 2000
American Chemical Service NPL Site
Griffith, Indiana

Well ID	Field Parameters					
	pH (std. units)	Conductivity (S/m)	Temperature (°C)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Oxidation-Reduction Potential (mV)
M1S	6.51	0.378	14.4	250	1.00	-129
M4S	6.37	0.167	19.1	230	0.80	-112
M4D	7.21	0.138	14.8	580	2.30	-171
MW06	6.26	0.469	16.3	130	0.50	-30
MW07	7.96	0.073	13.1	43	1.10	-263
MW08	7.51	0.045	12.8	140	1.00	-202
MW09R	7.04	0.109	15.3	41	1.10	-102
MW10C	6.89	0.172	15.2	93	1.40	-154
MW11	6.15	0.027	15.8	580	0.80	50
MW12	6.06	0.039	20.9	250	1.40	-74
MW13	6.74	0.142	15.9	62	0.82	-91
MW14	6.98	0.058	18.3	454	3.59	-56
MW15	6.92	0.480	15.0	160	3.70	-159
MW18	NS	NS	NS	NS	NS	NS
MW19	7.23	0.590	17.6	100	0.40	-207
MW23	6.95	0.103	15.0	114	1.62	-105
MW24	6.56	0.117	17.3	361	1.76	-58
MW28	7.19	0.075	16.2	180	0.90	-181
MW29	7.15	0.135	13.9	58	0.73	-129
MW30	7.34	0.131	13.4	49	0.55	-162
MW31	7.28	0.076	12.7	87	0.70	-187
MW32	7.18	0.084	12.8	100	0.70	-183
MW33	6.77	0.272	12.4	157	0.80	-111
MW34	7.40	0.091	13.1	12	0.83	-142
MW37	6.94	0.063	18.4	32	3.71	-29
MW38	6.17	0.045	18.0	98	2.57	-12
MW39	6.85	0.015	19.4	264	1.86	-89
MW40	6.90	0.040	20.3	100	3.80	42
MW41	6.65	0.074	20.4	176	1.96	25
MW42	6.76	0.107	20.4	61	1.28	17
MW43	6.57	0.111	21.4	394	2.05	-59
MW44	7.46	0.096	17.0	32	4.82	-153
MW45	6.87	0.117	20.9	18	1.53	-117
MW46	NS	NS	NS	NS	NS	NS
MW47	5.29	0.013	25.3	42	1.80	170
MW48	NR	NR	NR	NR	NR	NR
MW49	6.68	0.068	15.8	68	0.70	-159
MW50	7.23	0.252	13.1	990	3.00	-161
MW51	7.07	0.163	14.6	71	0.82	-120
MW52	7.05	0.134	16.7	441	0.55	-121
MW53	6.68	0.362	12.8	66	0.90	-89
MW54R	7.33	0.129	13.6	120	0.30	-250
MW55	7.18	0.089	12.3	14	0.40	-143
ATMW4D	7.04	0.102	14.5	79	2.50	-174
PW-A	7.24	0.078	14.0	55	0.60	-183
PW-B	7.21	0.078	17.5	9	0.40	-215
PW-C	7.11	0.086	14.5	40	1.90	-167
PW-D	7.19	0.083	13.5	0	0.30	-197
PW-Y	7.42	0.084	14.5	10	0.50	-227

Notes:

NTU = nephelometric turbidity units

S/m = Siemers per meter

mg/l = milligrams per liter

mV = millivolts

NS = Not sampled. MW18 was not sampled because it was dry. MW48 was not found

NR = Not recorded. Instrument was not calibrated correctly.

PW = Private Well (Residential)

CAS/cas/RDC/kkc

J:\209\0603 ACS\September 2000\202090603a02.xls\field parameters

2090306.030401

Table 3
Upper Aquifer Wells Sampled - September 2000
American Chemical Service NPL Site
Griffith, Indiana

	Area of Groundwater Contamination	Well Identification	Location with Respect to Area of Groundwater Contamination	Monitoring Parameters September 2000
1	North	MW11	Side Gradient	IND
2		MW12	Side Gradient	IND
3		MW40	Side Gradient	IND
4		MW48	Internal	IND
5		MW49	Internal	IND
6		MW39	Side Gradient	IND
7		MW37	Downgradient	IND
8		MW38	Side Gradient	IND
9	West	MW14	Internal	IND
10		MW13	Internal	IND
11		MW46	Side Gradient	CNF
12		M-1S	Griffith Landfill	IND
13		M-4S	Griffith Landfill	IND
14	South	MW18	Upgradient	NS
15		MW6	Internal	IND
16		MW19	Internal	IND
17		MW45	Internal	IND
18		MW41	Side Gradient	IND
19		MW44	Side Gradient	IND
20		MW47	Side Gradient	IND
21		MW15	Side Gradient	IND
22		MW42	Downgradient	IND
23		MW43	Downgradient	IND

Notes:

IND: Arsenic, lead, VC, benzene, chloroethane, TCE, PCE, TCA, DCE, and 1,2-DCA.

TCL/TAL: Full scan Target Compound List and Target Analyte List Parameters

NS: Well not sampled because it was dry.

CNF: Well not sampled because it could not be found.

Table 4
Lower Aquifer Wells Sampled - September 2000
American Chemical Service NPL Site
Griffith, Indiana

	Well Identification	Well Screen Depth in Lower Aquifer	Location with Respect to Area of GW Contamination	Monitoring Parameters September 2000
1	MW28	Upper	Upgradient	IND
2	MW50	Upper	Upgradient	IND
3	MW7	Upper	Side Gradient	IND
4	MW10C	Upper	Internal	IND
5	MW9R	Upper	Internal	IND
6	MW29	Middle	Internal	IND
7	MW34	Lower	Internal	IND
8	MW23	Upper	Downgradient	IND
9	MW24	Upper	Downgradient	IND
10	MW52	Upper	Downgradient	IND
11	MW53	Lower	Downgradient	IND
12	MW51	Upper	Downgradient	IND
13	MW30	Middle	Downgradient	IND
14	MW33	Lower	Downgradient	IND
15	MW54R	Upper	Downgradient	IND
16	MW55	Lower	Downgradient	IND
17	MW8	Upper	Downgradient	IND
18	MW31	Middle	Downgradient	IND
19	MW32	Lower	Downgradient	IND
20	M-4D	Upper	Griffith Landfill	IND
21	ATMW-4D	Upper	ACS Site	IND

Notes:

IND: Arsenic, lead, VC, benzene, chloroethane, TCE, PCE, TCA, DCE, and 1,2-DCA.

TCL/TAL: Full scan Target Compound List and Target Analyte List Parameters

Table 5
Residential Wells Sampled - September 2000
American Chemical Service NPL Site
Griffith, Indiana

	Residential Well Identification	Location with Respect to Area of GW Contamination	Monitoring Parameters
			September 2000
1	RW1002 (PW-Y)	internal	TCL/TAL
2	RW1007 (PW-A)	internal	TCL/TAL
3	RW1009 (PW-B)	internal	TCL/TAL
4	RW1029 (PW-C)	upgradient	TCL/TAL
5	RW1033 (PW-D)	upgradient	TCL/TAL

Notes:

TCL/TAL: Full scan Target Compound List and Target Analyte List Parameters

RW1002 = Residential Well - 1002 Reder Road

Residential wells sampled are located in the Lower Aquifer.

Table 6
Vertical Gradients in Lower Aquifer - September 2000
American Chemical Service NPL Site
Griffith, Indiana

Well	Screen Interval		Separation (feet)	Lowest Measurable Gradient	Groundwater Elevation				Vertical Gradients		
	Nest	Top	Bottom		Upper	Middle	Lower	delta	Upper/ Middle	Middle/ Lower	Upper/ Lower
MW7	595.9	590.9			620.58						
PZ44	578.4	573.4	13	0.0008		620.57		-0.01	WU	NA	NA
MW8	598.2	593.2			620.27						
MW31	574.6	564.6	19	0.0005		620.39		0.12	0.0065		
MW32	547.3	537.3	17	0.0006			620.33	-0.06		-0.0035	0.0013
MW9R	605.9	600.9			620.47						
MW29	585.9	575.9	15	0.0007		620.53		0.06	0.0040		
MW34	552.8	542.8	23	0.0004			620.64	0.11		0.0048	0.0035
MW30	585.0	575.0	13	0.0008		620.06			NA		
MW33	556.0	546.0	19	0.0005			620.03	-0.03		-0.0016	NA
MW28	588.7	578.7			621.10						
PZ42	568.5	563.5	10	0.0010		621.09		-0.01	WU		
PZ43	554.5	549.5	9	0.0011			621.09	0		WU	WU
MW52	615.6	605.6			620.14						
MW53	555.7	545.7	50	0.0002			620.12	-0.02	NA	NA	-0.0004
MW54R	608.1	598.1			620.51						
MW55	547.6	537.6	51	0.0002			620.10	-0.41	NA	NA	-0.0081

Notes:

Water level measurements collected on September 18, 2000.

Elevation is in feet above mean sea level.

NA = Not Applicable. Calculating vertical gradient only for upper/lower interval at this location.

WU = Within uncertainty of measurement technique.

(-) = Downward Gradient

(+) = Upward Gradient

See *September 1997 Groundwater Sampling Results Report and Groundwater Monitoring Plan*. (July 1998), p. 4, for an explanation of calculation method.

Table 7
Vertical Gradients Between Upper and Lower Aquifers - September 2000
American Chemical Service NPL Site
Griffith, Indiana

Well Designation	Screen Interval		Screen Midpoint	Separation (feet)	Groundwater Elevation			Hydraulic Gradient
	Top	Bottom			Upper	Lower	delta	
P28	634.30	629.30	631.80	11	631.07	620.27	-11	-0.98
MW8	598.20	593.20	595.70					
P27	631.02	626.02	628.52	23	628.13	620.47	-8	-0.34
MW9R	605.90	600.90	603.40					
P8	635.36	630.36	632.86	18	632.03	620.58	-11	-0.64
MW7	595.90	590.90	593.40					

Notes:

Water level measurements collected on September 18, 2000.

Elevation is in feet above mean sea level.

(-) = Downward Gradient

(+) = Upward Gradient

See *September 1997 Groundwater Sampling Results Report and Groundwater Monitoring Plan* (July 1998), p. 4, for an explanation of calculation method.

Table 8
Summary of Organic Compound Detections in the Upper Aquifer
Validated Results
September 2000
American Chemical Service NPL Site
Griffith, Indiana

Parameter	M-1S		M-4S		MW-06		MW-11		MW-12		MW-13		MW-14	
	Sep-00	BV												
VOCs (ug/L)														
Benzene			130		190		130		320					
Chloroethane			37		1,300		22		720					
trans-1,2-Dichloroethene			1	J/	NA									

Notes:

ug/L = micrograms per liter

BV = Baseline Value

NA = Not analyzed for this parameter

NS = Not sampled.

J_ = No data qualifier required

J/_ = Data qualifier added by laboratory

_J/ = Data qualifier added by data validator

Data qualifiers are defined in Appendix C.

D = Results based on diluted sample

J = Estimated value

A blank cell indicates the parameter was
not detected.

Bold result indicates an exceedance of BV

Table 8
Summary of Organic Compound Detections in the Upper Aquifer
Validated Results
September 2000
American Chemical Service NPL Site
Griffith, Indiana

Parameter	MW-15		MW-18		MW-19		MW-37		MW-38		MW-39		MW-40		
	Sep-00	BV													
VOCs (ug/L)															
Benzene	2	J/	10	NS		7	J/	10					1	J/	12
Chloroethane				NS		35		20							
trans-1,2-Dichloroethene				NS									2	J/	NA

Notes:

ug/L = micrograms per liter

BV = Baseline Value

NA = Not analyzed for this parameter

NS = Not sampled.

J/ = No data qualifier required

J/ = Data qualifier added by laboratory

J/ = Data qualifier added by data validator

Data qualifiers are defined in Appendix C.

D = Results based on diluted sample

J = Estimated value

A blank cell indicates the parameter was
not detected.

Bold result indicates an exceedance of BV

Table 8
Summary of Organic Compound Detections in the Upper Aquifer
Validated Results
September 2000
American Chemical Service NPL Site
Griffith, Indiana

Parameter	MW-41		MW-42		MW-43		MW-44		MW-45		MW-46	
	Sep-00	BV	Sep-00	BV								
VOCs (ug/L)												
Benzene									43	1,045	NS	
Chloroethane									820	D/	215	NS
trans-1,2-Dichloroethene											NS	

Notes:

ug/L = micrograms per liter

BV = Baseline Value

NA = Not analyzed for this parameter

NS = Not sampled.

/ = No data qualifier required

J/ = Data qualifier added by laboratory

/J = Data qualifier added by data validator

Data qualifiers are defined in Appendix C.

D = Results based on diluted sample

E = Estimated value

A blank cell indicates the parameter was
not detected.

Bold result indicates an exceedance of BV

Table 8
Summary of Organic Compound Detections in the Upper Aquifer
Validated Results
September 2000
American Chemical Service NPL Site
Griffith, Indiana

Parameter	MW-47		MW-48		MW-49	
	Sep-00	BV	Sep-00	BV	Sep-00	BV
VOCs (ug/L)						
Benzene			4,100	D/	9,500	630
Chloroethane			100	DJ/	1,000	220
trans-1,2-Dichloroethene					I	J/
						NA

Notes:

ug/L = micrograms per liter

BV = Baseline Value

NA = Not analyzed for this parameter

NS = Not sampled.

J/_ = No data qualifier required

J/_ = Data qualifier added by laboratory

J/_ = Data qualifier added by data validator

Data qualifiers are defined in Appendix C.

D = Results based on diluted sample

J = Estimated value

A blank cell indicates the parameter was
not detected.

Bold result indicates an exceedance of BV

Table 9
Summary of Organic Compound Detections in the Lower Aquifer
Validated Results
September 2000
American Chemical Service NPL Site
Griffith, Indiana

Parameter	M-4D		ATMW-4D		MW-07		MW-08		MW-09R		MW-10C		MW-23	
	Sep-00	BV	Sep-00	BV	Sep-00	BV	Sep-00	BV	Sep-00	BV	Sep-00	BV	Sep-00	BV
VOCs (ug/L)														
Benzene			1,200	D/	NS				65	310	520	D/	150	
Chloroethane			88	NS					970	D/	2,900	630	D/	420

Notes:

ug/L = micrograms per liter.

BV = Baseline Value

NA = Not analyzed for this parameter

NS = Not sampled

/ = No data qualifier required

J/ = Data qualifier added by laboratory

_J = Data qualifier added by data validator

D = Results based on diluted sample

J = Estimated value

Data qualifiers are defined in Appendix C

A blank cell indicates parameter not detected.

Bold result indicates an exceedance of BV

Table 9
Summary of Organic Compound Detections in the Lower Aquifer
Validated Results
September 2000
American Chemical Service NPL Site
Griffith, Indiana

Parameter	MW-24		MW-28		MW-29		MW-30		MW-31		MW-32	
	Sep-00	BV										
VOCs (ug/L)												
Benzene							3	J/	10			
Chloroethane					2	J/	10					

Notes:

ug/L = micrograms per liter.

BV = Baseline Value

NA = Not analyzed for this parameter

NS = Not sampled

/_ = No data qualifier required

J/_ = Data qualifier added by laboratory

_J = Data qualifier added by data validator

D = Results based on diluted sample

J = Estimated value

Data qualifiers are defined in Appendix C

A blank cell indicates parameter not detected.

Bold result indicates an exceedance of BV

Table 9
Summary of Organic Compound Detections in the Lower Aquifer
Validated Results
September 2000
American Chemical Service NPL Site
Griffith, Indiana

Parameter	MW-33		MW-34		MW-50		MW-51		MW-52		MW-53		MW-54R		MW-55			
	Sep-00	BV																
VOCs (ug/L)																		
Benzene													3	J/	10	1	J/	10
Chloroethane																		

Notes:

ug/L = micrograms per liter.

BV = Baseline Value

NA = Not analyzed for this parameter

NS = Not sampled

J/_ = No data qualifier required

J/_ = Data qualifier added by laboratory

_J = Data qualifier added by data validator

D = Results based on diluted sample

J = Estimated value

Data qualifiers are defined in Appendix C

A blank cell indicates parameter not detected.

Bold result indicates an exceedance of BV

Table 10
Summary of Inorganic Baseline Exceedances - September 2000
Groundwater Monitoring
American Chemical Service NPL Site
Griffith, Indiana

Well	Potentially Significant Mar-00	Potentially Significant Nov-00	Arsenic		Lead		Total Number of EXCEEDANCES
	Sep-00	Baseline	Sep-00	Baseline	Sep-00	Baseline	
UPPER AQUIFER WELLS							
M-1S			3.9	3			1
M-3S							0
M-4S							0
MW-06	R						0
MW-11	R						0
MW-12							0
MW-13	R						0
MW-14							0
MW-15	R		68	59			1
MW-18	NS		NS		NS		0
MW-19	R		29.9	27			1
MW-37							0
MW-38							0
MW-39	R						0
MW-40							0
MW-41							0
MW-42							0
MW-43	M, R		101	81			1
MW-44	M, R						0
MW-45			47.6	44			1
MW-46	M, R		NS		NS		0
MW-47							0
MW-48							0
MW-49	R						0
LOWER AQUIFER WELLS							
M-4D							0
MW-07							0
MW-08	R						0
MW-09R							0
MW-10C							0
MW-23							0
MW-24	R						0
MW-28	R						0
MW-29							0
MW-30	R						0
MW-31	R						0
MW-32	R						0
MW-33							0
MW-34							0
MW-36							0
MW-50			8.2	7.7	16.1	14	2
MW-51							0
MW-52							0
MW-53							0
MW-54R	R						0
MW-55	R						0
Number of Exceedances		6		1			7

Notes:

1. Boxed numbers indicate that the inorganic species in the September 2000 results exceeded the maximum baseline concentration for that species by a factor of 2x or more.

2. Blank cells indicate that for the September 2000 sampling round, the inorganic species did not exceed the baseline maximum.

3. All monitoring wells were analyzed for indicator parameters, Arsenic and Lead, during September 2000.

4. R = Recurrence: Sample results are potentially significant due to recurrence of exceedance.

5. F = Frequency: Sample results are potentially significant due to the frequency of exceedance (>25% or 7 individual analytes).

6. M = Magnitude: Sample results are potentially significant due to magnitude of exceedance (>2x maximum baseline)

NS = Not sampled.

- Boxed numbers indicate potentially significant results

Table 11
Comparison of Private Well Detections to
Maximum Contaminant Levels (MCLs) - September 2000
American Chemical Services NPL Site
Griffith, Indiana

Analyte	Sample Location and Concentration (ug/L)					
	PW-A	PW-B	PW-C	PW-D	PW-Y	MCL (ug/L)
Aluminum	--	--	--	--	--	NA
Antimony	--	2.6 B/	--	--	--	6
Arsenic	--	--	--	--	--	50
Barium	130 B/	123 B/	167 B/	150 B/	144 B/	2,000
Beryllium	--	--	--	--	--	4
Cadmium	--	--	--	--	--	5
Calcium	87,300	88,700	92,900	95,000	86,100	NA
Chromium	0.78 B/	0.51 B/	0.71 B/	1.5 B/	--	100
Cobalt	--	--	--	--	--	NA
Copper	2.3 B/	2.1 B/	1.8 B/	4 B/	1.8 B/	1,300
Cyanide	--	--	--	--	--	200
Iron	2,060	3,290	2,830	2,400	4,710	NA
Lead	--	--	--	--	--	15
Magnesium	44,400	40,800	52,200	47,600	45,100	NA
Manganese	35.4	60.3	35.2	36.3	42.9	NA
Mercury	--	--	--	--	--	2
Nickel	--	--	--	--	--	NA
Potassium	2,340 BE/	1,660 BE/	2,620 BE/	2,400 BE/	2,520 BE/	NA
Selenium	--	--	--	--	--	50
Silver	--	--	--	--	--	NA
Sodium	18,200	16,500	32,200	20,900	23,200	NA
Thallium	--	52 B/	--	--	54 B/	2
Vanadium	--	--	--	--	--	NA
Zinc	11.1 B/	18 B/	16.7 B/	1.4 B/	25.8	NA

Notes:

ug/L = micrograms per liter

-- = Analyte not detected

NA = MCL does not exist for this analyte

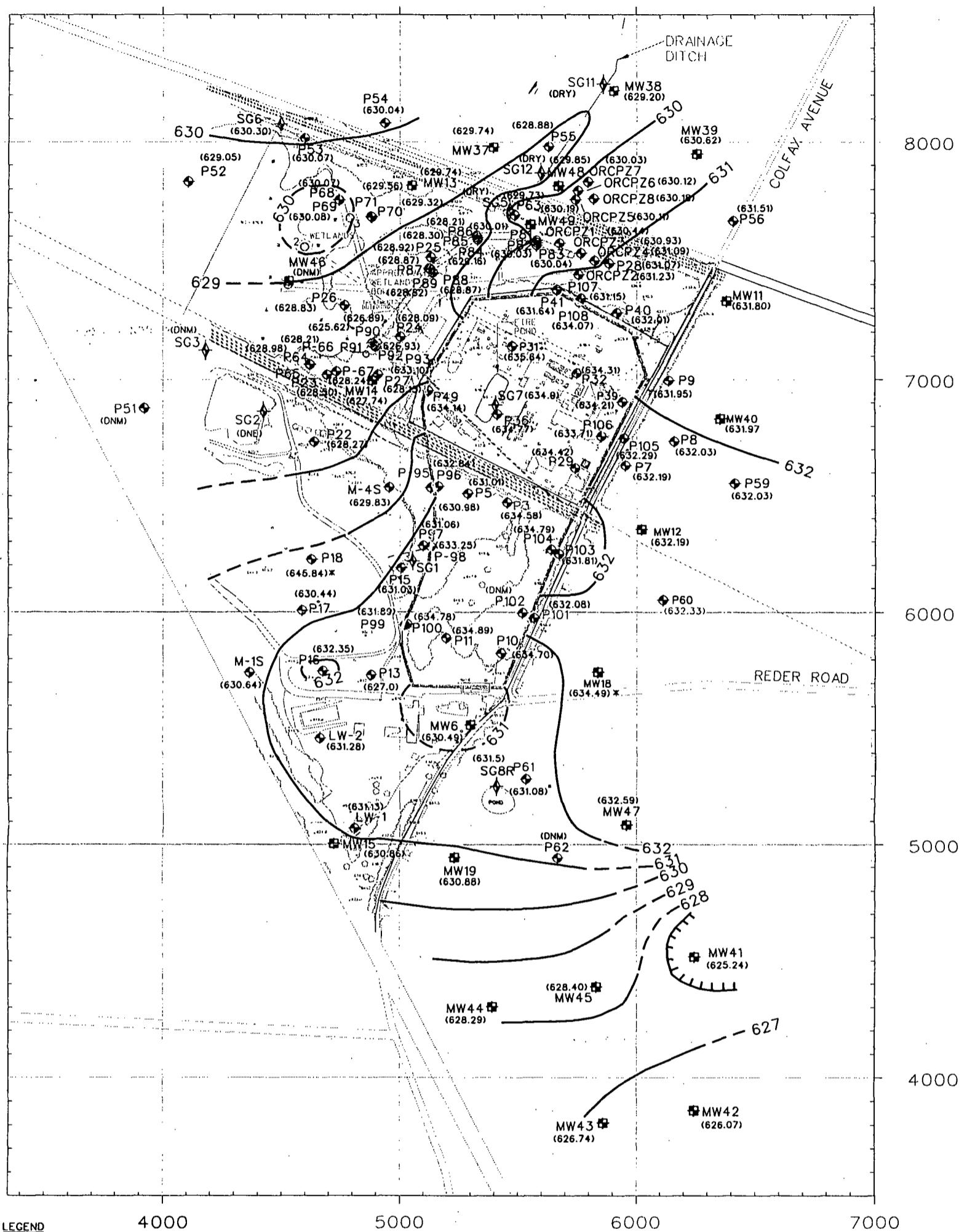
B = Compound was detected but at concentrations below the Contract

Required Detection Limit. It is considered an estimated concentration.

E = Concentration is estimated due to chemical or physical interference effect during analysis.

Shaded cells indicate exceedance of MCL





SCALE

1"-500'



MONTGOMERY WATSON
Chicago, Illinois

AMERICAN CHEMICAL SERVICES, INC.
NPL SITE
GRIFFITH, INDIANA

UPPER AQUIFER WATER TABLE MAP
SEPTEMBER 2000

1

- LEGEND**
- UPPER AQUIFER WELL LOCATION AND DESIGNATION
 - ◆ PIEZOMETER LOCATION AND DESIGNATION
 - ◆ STAFF GAUGE LOCATION AND DESIGNATION
 - SURFACE DISCHARGE LOCATION FOR PERIMETER GROUND WATER CONTAINMENT SYSTEM
 - ◆ ORCPZ1 ORC PIEZOMETER LOCATION AND DESIGNATION
 - (632.00) GROUNDWATER ELEVATION
 - (632.00)* GROUNDWATER ELEVATION MEASURED BUT NOT USED FOR DETERMINATION OF THE POTENIOMETRIC SURFACE
 - (DNM) DID NOT MEASURE
 - (DNE) DOES NOT EXIST

630 — GROUNDWATER ELEVATION CONTOUR BASED ON GROUNDWATER ELEVATION DATA (DASHED WHERE INFERRED)

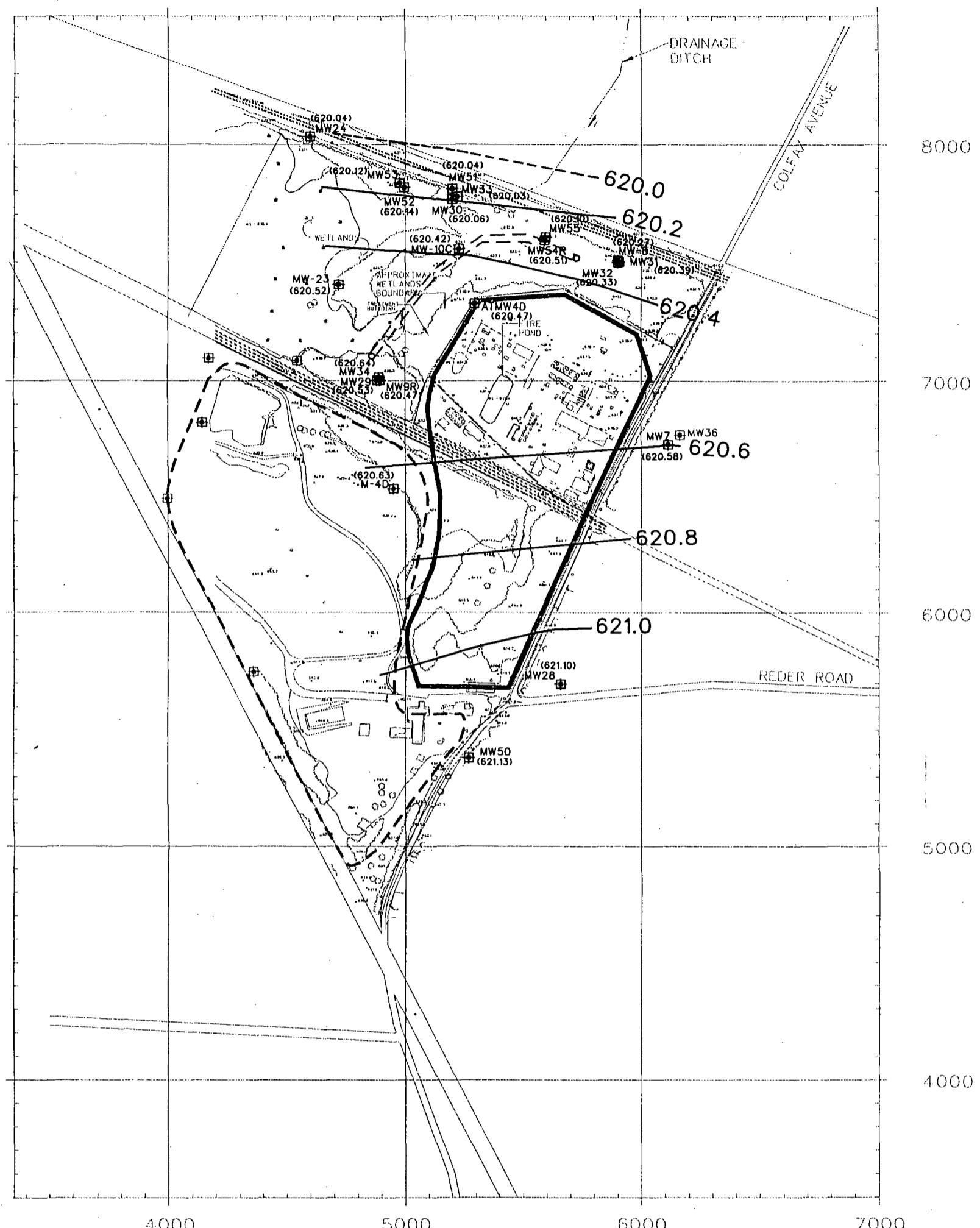
— BARRIER WALL

— PERIMETER GROUND WATER CONTAINMENT SYSTEM

NOTES

1. GROUNDWATER ELEVATIONS FOR WATER TABLE CONTOURS WERE MEASURED AT THE SITE ON SEPTEMBER 18, 2000.

0 500 1000
SCALE IN FEET



SCALE
1"-500'


MONTGOMERY WATSON
Chicago, Illinois

AMERICAN CHEMICAL SERVICES, INC.
NPL SITE
GRIFFITH, INDIANA

LOWER AQUIFER POTENTIOMETRIC SURFACE
SEPTEMBER 2000

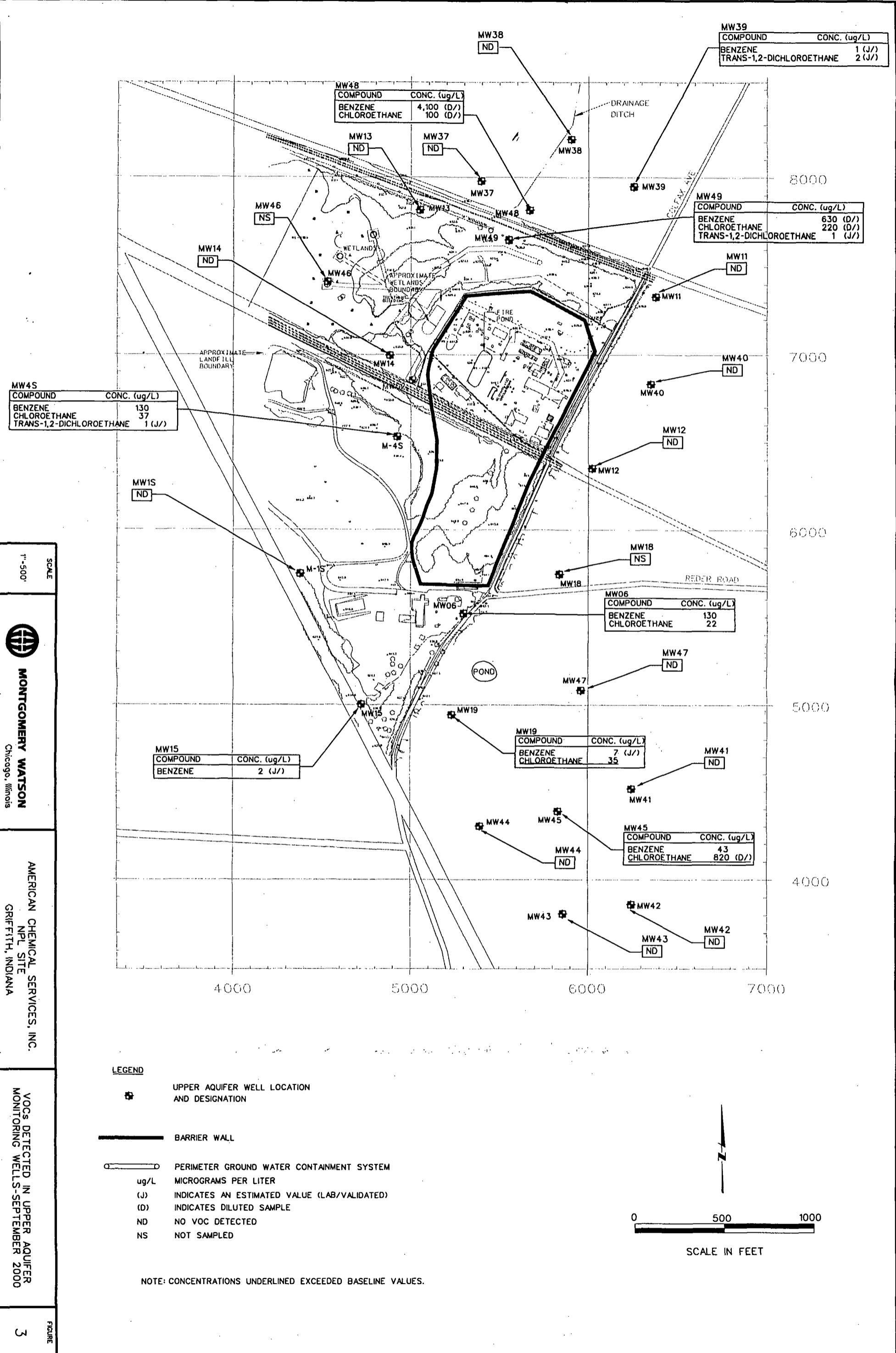
FIGURE
2

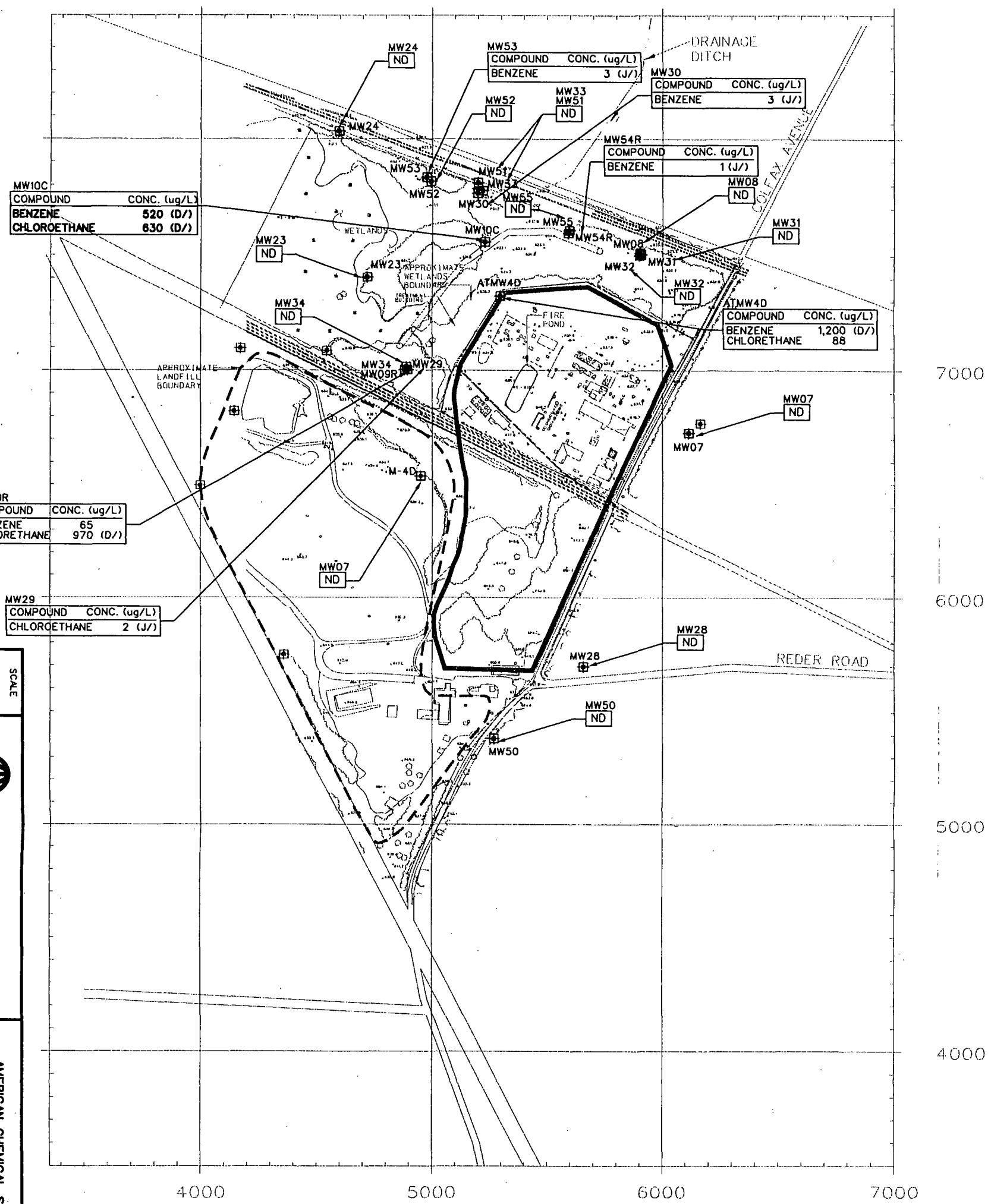
LEGEND

-  BARRIER WALL
-  PERIMETER GROUND WATER CONTAINMENT SYSTEM
-  GRIFFITH LANDFILL BOUNDARY
-  MW53
(621.76) LOWER AQUIFER WELL LOCATION AND DESIGNATION
-  GROUNDWATER ELEVATION
-  621.6 GROUNDWATER ELEVATION CONTOUR BASED ON GROUNDWATER ELEVATION DATA

0 500 1000
SCALE IN FEET

NOTE GROUNDWATER ELEVATIONS FOR POTENTIOMETRIC SURFACE
CONTOURS WERE MEASURED ON SEPTEMBER 18, 2000





0 300 600
SCALE IN FEET

N

REDER ROAD PRIVATE WELLS

- Y 1002 REDER ROAD
- A 1007 REDER ROAD
- B 1009 REDER ROAD
- C 1029 REDER ROAD
- D 1033 REDER ROAD

APPROXIMATE FOOTPRINT OF UPPER
AQUIFER GROUNDWATER IMPACT

LEGEND:

A RESIDENTIAL WELLS

NOTE:

ALL RESIDENTIAL WELLS ARE SCREENED
IN LOWER AQUIFER

GROUNDWATER FLOW
DIRECTION IN LOWER
AQUIFER

SCALE
AS SHOWN



AMERICAN CHEMICAL SERVICES, INC.
NPL SITE
GRIFFITH, INDIANA

RESIDENTIAL WELL LOCATIONS

RECYCLED





APPENDIX A

**COMPARISON OF SEPTEMBER 2000 RESULTS
TO BASELINE MAXIMUM CONCENTRATIONS**

Comparison of Results to Baseline Highest Detections
September 2000
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detect during Baseline	Current Event			
				Result	LQ	DQ	Detect Limit
ATMW-4D	1,1,1-Trichloroethane	UG/L			U		10
ATMW-4D	1,1,2-Trichloroethane	UG/L			U		10
ATMW-4D	1,1-Dichloroethene	UG/L			U		10
ATMW-4D	Benzene	UG/L	1,200	D			100
ATMW-4D	Chloroethane	UG/L	88				10
ATMW-4D	cis-1,2-Dichloroethene	UG/L			U		10
ATMW-4D	Tetrachloroethene	UG/L			U		10
ATMW-4D	trans-1,2-Dichloroethene	UG/L			U		10
ATMW-4D	Trichloroethene	UG/L			U		10
ATMW-4D	Vinyl chloride	UG/L			U		10
M-1S	1,1,1-Trichloroethane	UG/L	10		U		10
M-1S	1,1,2-Trichloroethane	UG/L	10		U		10
M-1S	1,1-Dichloroethene	UG/L	10		U		10
M-1S	Benzene	UG/L	10		U		10
M-1S	Chloroethane	UG/L	10		U		10
M-1S	cis-1,2-Dichloroethene	UG/L			U		10
M-1S	Tetrachloroethene	UG/L	10		U		10
M-1S	trans-1,2-Dichloroethene	UG/L			U		10
M-1S	Trichloroethene	UG/L	10		U		10
M-1S	Vinyl chloride	UG/L	10		U		10
M-4D	1,1,1-Trichloroethane	UG/L	10		U		10
M-4D	1,1,2-Trichloroethane	UG/L	10		U		10
M-4D	1,1-Dichloroethene	UG/L	10		U		10
M-4D	Benzene	UG/L	10		U		10
M-4D	Chloroethane	UG/L	10		U		10
M-4D	cis-1,2-Dichloroethene	UG/L			U		10
M-4D	Tetrachloroethene	UG/L	10		U		10
M-4D	trans-1,2-Dichloroethene	UG/L			U		10
M-4D	Trichloroethene	UG/L	10		U		10
M-4D	Vinyl chloride	UG/L	10		U		10
M-4S	1,1,1-Trichloroethane	UG/L	100		U		10
M-4S	1,1,2-Trichloroethane	UG/L	100		U		10
M-4S	1,1-Dichloroethene	UG/L	100		U		10
M-4S	Benzene	UG/L	190	130			10
M-4S	Chloroethane	UG/L	1,300	37			10
M-4S	cis-1,2-Dichloroethene	UG/L			U		10
M-4S	Tetrachloroethene	UG/L	100		U		10
M-4S	trans-1,2-Dichloroethene	UG/L		1	J		0
M-4S	Trichloroethene	UG/L	100		U		10
M-4S	Vinyl chloride	UG/L	100		U		10
MW-06	1,1,1-Trichloroethane	UG/L	50		U		10
MW-06	1,1,2-Trichloroethane	UG/L	50		U		10
MW-06	1,1-Dichloroethene	UG/L	50		U		10
MW-06	Benzene	UG/L	320	130			10
MW-06	Chloroethane	UG/L	720	22			10
MW-06	cis-1,2-Dichloroethene	UG/L			U		10

BOLD = Exceedance

NA = Not Applicable

Comparison of Results to Baseline Highest Detections
September 2000
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detect during Baseline	Current Event			
				Result	LQ	DQ	Detect Limit
MW-06	Tetrachloroethene	UG/L	50	U			10
MW-06	trans-1,2-Dichloroethene	UG/L		U			10
MW-06	Trichloroethene	UG/L	50	U			10
MW-06	Vinyl chloride	UG/L	50	U			10
MW-07	1,1,1-Trichloroethane	UG/L	10	U			10
MW-07	1,1,2-Trichloroethane	UG/L	10	U			10
MW-07	1,1-Dichloroethene	UG/L	10	U			10
MW-07	Benzene	UG/L	10	U			10
MW-07	Chloroethane	UG/L	10	U			10
MW-07	cis-1,2-Dichloroethene	UG/L		U			10
MW-07	Tetrachloroethene	UG/L	10	U			10
MW-07	trans-1,2-Dichloroethene	UG/L		U			10
MW-07	Trichloroethene	UG/L	10	U			10
MW-07	Vinyl chloride	UG/L	10	U			10
MW-08	1,1,1-Trichloroethane	UG/L	10	U			10
MW-08	1,1,2-Trichloroethane	UG/L	10	U			10
MW-08	1,1-Dichloroethene	UG/L	10	U			10
MW-08	Benzene	UG/L	10	U			10
MW-08	Chloroethane	UG/L	10	U			10
MW-08	cis-1,2-Dichloroethene	UG/L		U			10
MW-08	Tetrachloroethene	UG/L	10	U			10
MW-08	trans-1,2-Dichloroethene	UG/L		U			10
MW-08	Trichloroethene	UG/L	10	U			10
MW-08	Vinyl chloride	UG/L	10	U			10
MW-09R	1,1,1-Trichloroethane	UG/L	200	U			10
MW-09R	1,1,2-Trichloroethane	UG/L	200	U			10
MW-09R	1,1-Dichloroethene	UG/L	200	U			10
MW-09R	Benzene	UG/L	310	65			10
MW-09R	Chloroethane	UG/L	2,900	970	D		100
MW-09R	cis-1,2-Dichloroethene	UG/L		U			10
MW-09R	Tetrachloroethene	UG/L	200	U			10
MW-09R	trans-1,2-Dichloroethene	UG/L		U			10
MW-09R	Trichloroethene	UG/L	200	U			10
MW-09R	Vinyl chloride	UG/L	200	U			10
MW-10C	1,1,1-Trichloroethane	UG/L	150	U			10
MW-10C	1,1,2-Trichloroethane	UG/L	150	U			10
MW-10C	1,1-Dichloroethene	UG/L	150	U			10
MW-10C	Benzene	UG/L	150	520	D		50
MW-10C	Chloroethane	UG/L	420	630	D		50
MW-10C	cis-1,2-Dichloroethene	UG/L		U			10
MW-10C	Tetrachloroethene	UG/L	150	U			10
MW-10C	trans-1,2-Dichloroethene	UG/L		U			10
MW-10C	Trichloroethene	UG/L	150	U			10
MW-10C	Vinyl chloride	UG/L	129	U			10
MW-11	1,1,1-Trichloroethane	UG/L	10	U			10
MW-11	1,1,2-Trichloroethane	UG/L	10	U			10

BOLE = Exceedance

NA = Not Applicable

Comparison of Results to Baseline Highest Detections
September 2000
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detect during Baseline	Current Event			
				Result	LQ	DQ	Detect Limit
MW-11	1,1-Dichloroethene	UG/L	10	U			10
MW-11	Benzene	UG/L	10	U			10
MW-11	Chloroethane	UG/L	10	U			10
MW-11	cis-1,2-Dichloroethene	UG/L		U			10
MW-11	Tetrachloroethene	UG/L	10	U			10
MW-11	trans-1,2-Dichloroethene	UG/L		U			10
MW-11	Trichloroethene	UG/L	10	U			10
MW-11	Vinyl chloride	UG/L	10	U			10
MW-12	1,1,1-Trichloroethane	UG/L	10	U			10
MW-12	1,1,2-Trichloroethane	UG/L	10	U			10
MW-12	1,1-Dichloroethene	UG/L	10	U			10
MW-12	Benzene	UG/L	10	U			10
MW-12	Chloroethane	UG/L	10	U			10
MW-12	cis-1,2-Dichloroethene	UG/L		U			10
MW-12	Tetrachloroethene	UG/L	10	U			10
MW-12	trans-1,2-Dichloroethene	UG/L		U			10
MW-12	Trichloroethene	UG/L	10	U			10
MW-12	Vinyl chloride	UG/L	10	U			10
MW-13	1,1,1-Trichloroethane	UG/L	50	U			10
MW-13	1,1,2-Trichloroethane	UG/L	50	U			10
MW-13	1,1-Dichloroethene	UG/L	50	U			10
MW-13	Benzene	UG/L	610	U			10
MW-13	Chloroethane	UG/L	570	U			10
MW-13	cis-1,2-Dichloroethene	UG/L		U			10
MW-13	Tetrachloroethene	UG/L	50	U			10
MW-13	trans-1,2-Dichloroethene	UG/L		U			10
MW-13	Trichloroethene	UG/L	50	U			10
MW-13	Vinyl chloride	UG/L	50	U			10
MW-14	1,1,1-Trichloroethane	UG/L	100	U			10
MW-14	1,1,2-Trichloroethane	UG/L	100	U			10
MW-14	1,1-Dichloroethene	UG/L	100	U			10
MW-14	Benzene	UG/L	41	U			10
MW-14	Chloroethane	UG/L	1,000	U			10
MW-14	cis-1,2-Dichloroethene	UG/L		U			10
MW-14	Tetrachloroethene	UG/L	100	U			10
MW-14	trans-1,2-Dichloroethene	UG/L		U			10
MW-14	Trichloroethene	UG/L	100	U			10
MW-14	Vinyl chloride	UG/L	100	U			10
MW-15	1,1,1-Trichloroethane	UG/L	10	U			10
MW-15	1,1,2-Trichloroethane	UG/L	10	U			10
MW-15	1,1-Dichloroethene	UG/L	10	U			10
MW-15	Benzene	UG/L	10	2	J		10
MW-15	Chloroethane	UG/L	10	U			10
MW-15	cis-1,2-Dichloroethene	UG/L		U			10
MW-15	Tetrachloroethene	UG/L	10	U			10
MW-15	trans-1,2-Dichloroethene	UG/L		U			10

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Comparison of Results to Baseline Highest Detections
September 2000
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detect during Baseline	Current Event			
				Result	LQ	DQ	Detect Limit
MW-15	Trichloroethene	UG/L	10		U		10
MW-15	Vinyl chloride	UG/L	10		U		10
MW-19	1,1,1-Trichloroethane	UG/L	10		U		10
MW-19	1,1,2-Trichloroethane	UG/L	10		U		10
MW-19	1,1-Dichloroethene	UG/L	10		U		10
MW-19	Benzene	UG/L	10	7	J		10
MW-19	Chloroethane	UG/L	20	35			10
MW-19	cis-1,2-Dichloroethene	UG/L			U		10
MW-19	Tetrachloroethene	UG/L	10		U		10
MW-19	trans-1,2-Dichloroethene	UG/L			U		10
MW-19	Trichloroethene	UG/L	10		U		10
MW-19	Vinyl chloride	UG/L	10		U		10
MW-23	1,1,1-Trichloroethane	UG/L	10		U		10
MW-23	1,1,2-Trichloroethane	UG/L	10		U		10
MW-23	1,1-Dichloroethene	UG/L	10		U		10
MW-23	Benzene	UG/L	10		U		10
MW-23	Chloroethane	UG/L	10		U		10
MW-23	cis-1,2-Dichloroethene	UG/L			U		10
MW-23	Tetrachloroethene	UG/L	10		U		10
MW-23	trans-1,2-Dichloroethene	UG/L			U		10
MW-23	Trichloroethene	UG/L	10		U		10
MW-23	Vinyl chloride	UG/L	10		U		10
MW-24	1,1,1-Trichloroethane	UG/L	10		U		10
MW-24	1,1,2-Trichloroethane	UG/L	10		U		10
MW-24	1,1-Dichloroethene	UG/L	10		U		10
MW-24	Benzene	UG/L	10		U		10
MW-24	Chloroethane	UG/L	10		U		10
MW-24	cis-1,2-Dichloroethene	UG/L			U		10
MW-24	Tetrachloroethene	UG/L	10		U		10
MW-24	trans-1,2-Dichloroethene	UG/L			U		10
MW-24	Trichloroethene	UG/L	10		U		10
MW-24	Vinyl chloride	UG/L	10		U		10
MW-28	1,1,1-Trichloroethane	UG/L	10		U		10
MW-28	1,1,2-Trichloroethane	UG/L	10		U		10
MW-28	1,1-Dichloroethene	UG/L	10		U		10
MW-28	Benzene	UG/L	10		U		10
MW-28	Chloroethane	UG/L	10		U		10
MW-28	cis-1,2-Dichloroethene	UG/L			U		10
MW-28	Tetrachloroethene	UG/L	10		U		10
MW-28	trans-1,2-Dichloroethene	UG/L			U		10
MW-28	Trichloroethene	UG/L	10		U		10
MW-28	Vinyl chloride	UG/L	10		U		10
MW-29	1,1,1-Trichloroethane	UG/L	10		U		10
MW-29	1,1,2-Trichloroethane	UG/L	10		U		10
MW-29	1,1-Dichloroethene	UG/L	10		U		10
MW-29	Benzene	UG/L	10		U		10

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Comparison of Results to Baseline Highest Detections
September 2000
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detect during Baseline	Current Event			
				Result	LQ	DQ	Detect Limit
MW-29	Chloroethane	UG/L	10	2	J		10
MW-29	cis-1,2-Dichloroethene	UG/L			U		10
MW-29	Tetrachloroethene	UG/L	10		U		10
MW-29	trans-1,2-Dichloroethene	UG/L			U		10
MW-29	Trichloroethene	UG/L	10		U		10
MW-29	Vinyl chloride	UG/L	10		U		10
MW-30	1,1,1-Trichloroethane	UG/L	10		U		10
MW-30	1,1,2-Trichloroethane	UG/L	10		U		10
MW-30	1,1-Dichloroethene	UG/L	10		U		10
MW-30	Benzene	UG/L	10	3	J		10
MW-30	Chloroethane	UG/L	10		U		10
MW-30	cis-1,2-Dichloroethene	UG/L			U		10
MW-30	Tetrachloroethene	UG/L	10		U		10
MW-30	trans-1,2-Dichloroethene	UG/L			U		10
MW-30	Trichloroethene	UG/L	10		U		10
MW-30	Vinyl chloride	UG/L	10		U		10
MW-31	1,1,1-Trichloroethane	UG/L	10		U		10
MW-31	1,1,2-Trichloroethane	UG/L	10		U		10
MW-31	1,1-Dichloroethene	UG/L	10		U		10
MW-31	Benzene	UG/L	10		U		10
MW-31	Chloroethane	UG/L	10		U		10
MW-31	cis-1,2-Dichloroethene	UG/L			U		10
MW-31	Tetrachloroethene	UG/L	10		U		10
MW-31	trans-1,2-Dichloroethene	UG/L			U		10
MW-31	Trichloroethene	UG/L	10		U		10
MW-31	Vinyl chloride	UG/L	10		U		10
MW-32	1,1,1-Trichloroethane	UG/L	10		U		10
MW-32	1,1,2-Trichloroethane	UG/L	10		U		10
MW-32	1,1-Dichloroethene	UG/L	10		U		10
MW-32	Benzene	UG/L	10		U		10
MW-32	Chloroethane	UG/L	10		U		10
MW-32	cis-1,2-Dichloroethene	UG/L			U		10
MW-32	Tetrachloroethene	UG/L	10		U		10
MW-32	trans-1,2-Dichloroethene	UG/L			U		10
MW-32	Trichloroethene	UG/L	10		U		10
MW-32	Vinyl chloride	UG/L	10		U		10
MW-33	1,1,1-Trichloroethane	UG/L	10		U		10
MW-33	1,1,2-Trichloroethane	UG/L	10		U		10
MW-33	1,1-Dichloroethene	UG/L	10		U		10
MW-33	Benzene	UG/L	10		U		10
MW-33	Chloroethane	UG/L	10		U		10
MW-33	cis-1,2-Dichloroethene	UG/L			U		10
MW-33	Tetrachloroethene	UG/L	10		U		10
MW-33	trans-1,2-Dichloroethene	UG/L			U		10
MW-33	Trichloroethene	UG/L	10		U		10
MW-33	Vinyl chloride	UG/L	10		U		10

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Comparison of Results to Baseline Highest Detections
September 2000
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detect during Baseline	Current Event			
				Result	LQ	DQ	Detect Limit
MW-34	1,1,1-Trichloroethane	UG/L	10		U		10
MW-34	1,1,2-Trichloroethane	UG/L	10		U		10
MW-34	1,1-Dichloroethene	UG/L	10		U		10
MW-34	Benzene	UG/L	10		U		10
MW-34	Chloroethane	UG/L	10		U		10
MW-34	cis-1,2-Dichloroethene	UG/L			U		10
MW-34	Tetrachloroethene	UG/L	10		U		10
MW-34	trans-1,2-Dichloroethene	UG/L			U		10
MW-34	Trichloroethene	UG/L	10		U		10
MW-34	Vinyl chloride	UG/L	10		U		10
MW-37	1,1,1-Trichloroethane	UG/L	10		U		10
MW-37	1,1,2-Trichloroethane	UG/L	10		U		10
MW-37	1,1-Dichloroethene	UG/L	10		U		10
MW-37	Benzene	UG/L	10		U		10
MW-37	Chloroethane	UG/L	10		U		10
MW-37	cis-1,2-Dichloroethene	UG/L			U		10
MW-37	Tetrachloroethene	UG/L	10		U		10
MW-37	trans-1,2-Dichloroethene	UG/L			U		10
MW-37	Trichloroethene	UG/L	10		U		10
MW-37	Vinyl chloride	UG/L	10		U		10
MW-38	1,1,1-Trichloroethane	UG/L	10		U		10
MW-38	1,1,2-Trichloroethane	UG/L	10		U		10
MW-38	1,1-Dichloroethene	UG/L	10		U		10
MW-38	Benzene	UG/L	10		U		10
MW-38	Chloroethane	UG/L	10		U		10
MW-38	cis-1,2-Dichloroethene	UG/L			U		10
MW-38	Tetrachloroethene	UG/L	10		U		10
MW-38	trans-1,2-Dichloroethene	UG/L			U		10
MW-38	Trichloroethene	UG/L	10		U		10
MW-38	Vinyl chloride	UG/L	10		U		10
MW-39	1,1,1-Trichloroethane	UG/L	10		U		10
MW-39	1,1,2-Trichloroethane	UG/L	10		U		10
MW-39	1,1-Dichloroethene	UG/L	10		U		10
MW-39	Benzene	UG/L	12	1	J		10
MW-39	Chloroethane	UG/L	10		U		10
MW-39	cis-1,2-Dichloroethene	UG/L			U		10
MW-39	Tetrachloroethene	UG/L	10		U		10
MW-39	trans-1,2-Dichloroethene	UG/L		2	J		0
MW-39	Trichloroethene	UG/L	10		U		10
MW-39	Vinyl chloride	UG/L	10		U		10
MW-40	1,1,1-Trichloroethane	UG/L	10		U		10
MW-40	1,1,2-Trichloroethane	UG/L	10		U		10
MW-40	1,1-Dichloroethene	UG/L	10		U		10
MW-40	Benzene	UG/L	10		U		10
MW-40	Chloroethane	UG/L	10		U		10
MW-40	cis-1,2-Dichloroethene	UG/L			U		10

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Comparison of Results to Baseline Highest Detections
September 2000
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detect during Baseline	Current Event			
				Result	LQ	DQ	Detect Limit
MW-40	Tetrachloroethene	UG/L	10		U		10
MW-40	trans-1,2-Dichloroethene	UG/L			U		10
MW-40	Trichloroethene	UG/L	10		U		10
MW-40	Vinyl chloride	UG/L	10		U		10
MW-41	1,1,1-Trichloroethane	UG/L	10		U		10
MW-41	1,1,2-Trichloroethane	UG/L	10		U		10
MW-41	1,1-Dichloroethene	UG/L	10		U		10
MW-41	Benzene	UG/L	10		U		10
MW-41	Chloroethane	UG/L	10		U		10
MW-41	cis-1,2-Dichloroethene	UG/L			U		10
MW-41	Tetrachloroethene	UG/L	10		U		10
MW-41	trans-1,2-Dichloroethene	UG/L			U		10
MW-41	Trichloroethene	UG/L	10		U		10
MW-41	Vinyl chloride	UG/L	10		U		10
MW-42	1,1,1-Trichloroethane	UG/L	10		U		10
MW-42	1,1,2-Trichloroethane	UG/L	10		U		10
MW-42	1,1-Dichloroethene	UG/L	10		U		10
MW-42	Benzene	UG/L	10		U		10
MW-42	Chloroethane	UG/L	10		U		10
MW-42	cis-1,2-Dichloroethene	UG/L			U		10
MW-42	Tetrachloroethene	UG/L	10		U		10
MW-42	trans-1,2-Dichloroethene	UG/L			U		10
MW-42	Trichloroethene	UG/L	10		U		10
MW-42	Vinyl chloride	UG/L	10		U		10
MW-43	1,1,1-Trichloroethane	UG/L	10		U		10
MW-43	1,1,2-Trichloroethane	UG/L	10		U		10
MW-43	1,1-Dichloroethene	UG/L	10		U		10
MW-43	Benzene	UG/L	10		U		10
MW-43	Chloroethane	UG/L	10		U		10
MW-43	cis-1,2-Dichloroethene	UG/L			U		10
MW-43	Tetrachloroethene	UG/L	10		U		10
MW-43	trans-1,2-Dichloroethene	UG/L			U		10
MW-43	Trichloroethene	UG/L	10		U		10
MW-43	Vinyl chloride	UG/L	10		U		10
MW-44	1,1,1-Trichloroethane	UG/L	10		U		10
MW-44	1,1,2-Trichloroethane	UG/L	10		U		10
MW-44	1,1-Dichloroethene	UG/L	10		U		10
MW-44	Benzene	UG/L	10		U		10
MW-44	Chloroethane	UG/L	10		U		10
MW-44	cis-1,2-Dichloroethene	UG/L			U		10
MW-44	Tetrachloroethene	UG/L	10		U		10
MW-44	trans-1,2-Dichloroethene	UG/L			U		10
MW-44	Trichloroethene	UG/L	10		U		10
MW-44	Vinyl chloride	UG/L	10		U		10
MW-45	1,1,1-Trichloroethane	UG/L	80		U		10
MW-45	1,1,2-Trichloroethane	UG/L	80		U		10

BOLD = Exceedance

NA = Not Applicable

Comparison of Results to Baseline Highest Detections
September 2000
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detect during Baseline	Current Event			
				Result	LQ	DQ	Detect Limit
MW-45	1,1-Dichloroethene	UG/L	80	U			10
MW-45	Benzene	UG/L	1,045	43			10
MW-45	Chloroethane	UG/L	215	820	D		50
MW-45	cis-1,2-Dichloroethene	UG/L		U			10
MW-45	Tetrachloroethene	UG/L	80	U			10
MW-45	trans-1,2-Dichloroethene	UG/L		U			10
MW-45	Trichloroethene	UG/L	80	U			10
MW-45	Vinyl chloride	UG/L	80	U			10
MW-47	1,1,1-Trichloroethane	UG/L	10	U			10
MW-47	1,1,2-Trichloroethane	UG/L	10	U			10
MW-47	1,1-Dichloroethene	UG/L	10	U			10
MW-47	Benzene	UG/L	10	U			10
MW-47	Chloroethane	UG/L	10	U			10
MW-47	cis-1,2-Dichloroethene	UG/L		U			10
MW-47	Tetrachloroethene	UG/L	10	U			10
MW-47	trans-1,2-Dichloroethene	UG/L		U			10
MW-47	Trichloroethene	UG/L	10	U			10
MW-47	Vinyl chloride	UG/L	10	U			10
MW-48	1,1,1-Trichloroethane	UG/L	500		U		10
MW-48	1,1,2-Trichloroethane	UG/L	500		U		10
MW-48	1,1-Dichloroethene	UG/L	500		U		10
MW-48	Benzene	UG/L	9,500	4,100	D		500
MW-48	Chloroethane	UG/L	1,000	100	DJ		500
MW-48	cis-1,2-Dichloroethene	UG/L		U			10
MW-48	Tetrachloroethene	UG/L	500		U		10
MW-48	trans-1,2-Dichloroethene	UG/L		U			10
MW-48	Trichloroethene	UG/L	500		U		10
MW-48	Vinyl chloride	UG/L	500		U		10
MW-49	1,1,1-Trichloroethane	UG/L	500		U		10
MW-49	1,1,2-Trichloroethane	UG/L	500		U		10
MW-49	1,1-Dichloroethene	UG/L	500		U		10
MW-49	Benzene	UG/L	6,750	630	D		50
MW-49	Chloroethane	UG/L	715	220	D		50
MW-49	cis-1,2-Dichloroethene	UG/L		U			10
MW-49	Tetrachloroethene	UG/L	500		U		10
MW-49	trans-1,2-Dichloroethene	UG/L		1	J		0
MW-49	Trichloroethene	UG/L	500		U		10
MW-49	Vinyl chloride	UG/L	500		U		10
MW-50	1,1,1-Trichloroethane	UG/L	10		U		10
MW-50	1,1,2-Trichloroethane	UG/L	10		U		10
MW-50	1,1-Dichloroethene	UG/L	10		U		10
MW-50	Benzene	UG/L	10		U		10
MW-50	Chloroethane	UG/L	10		U		10
MW-50	cis-1,2-Dichloroethene	UG/L		U			10
MW-50	Tetrachloroethene	UG/L	10		U		10
MW-50	trans-1,2-Dichloroethene	UG/L		U			10

BOED = Exceedance

NA = Not Applicable

Comparison of Results to Baseline Highest Detections
September 2000
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detect during Baseline	Current Event			
				Result	LQ	DQ	Detect Limit
MW-50	Trichloroethene	UG/L	10	U			10
MW-50	Vinyl chloride	UG/L	10	U			10
MW-51	1,1,1-Trichloroethane	UG/L	100	U			10
MW-51	1,1,2-Trichloroethane	UG/L	100	U			10
MW-51	1,1-Dichloroethene	UG/L	100	U			10
MW-51	Benzene	UG/L	100	U			10
MW-51	Chloroethane	UG/L	100	U			10
MW-51	cis-1,2-Dichloroethene	UG/L		U			10
MW-51	Tetrachloroethene	UG/L	100	U			10
MW-51	trans-1,2-Dichloroethene	UG/L		U			10
MW-51	Trichloroethene	UG/L	100	U			10
MW-51	Vinyl chloride	UG/L	100	U			10
MW-52	1,1,1-Trichloroethane	UG/L	100	U			10
MW-52	1,1,2-Trichloroethane	UG/L	100	U			10
MW-52	1,1-Dichloroethene	UG/L	100	U			10
MW-52	Benzene	UG/L	100	U			10
MW-52	Chloroethane	UG/L	100	U			10
MW-52	cis-1,2-Dichloroethene	UG/L		U			10
MW-52	Tetrachloroethene	UG/L	100	U			10
MW-52	trans-1,2-Dichloroethene	UG/L		U			10
MW-52	Trichloroethene	UG/L	100	U			10
MW-52	Vinyl chloride	UG/L	100	U			10
MW-53	1,1,1-Trichloroethane	UG/L	10	U			10
MW-53	1,1,2-Trichloroethane	UG/L	10	U			10
MW-53	1,1-Dichloroethene	UG/L	10	U			10
MW-53	Benzene	UG/L	10	3	J		10
MW-53	Chloroethane	UG/L	10	U			10
MW-53	cis-1,2-Dichloroethene	UG/L		U			10
MW-53	Tetrachloroethene	UG/L	10	U			10
MW-53	trans-1,2-Dichloroethene	UG/L		U			10
MW-53	Trichloroethene	UG/L	10	U			10
MW-53	Vinyl chloride	UG/L	10	U			10
MW-54R	1,1,1-Trichloroethane	UG/L	10	U			10
MW-54R	1,1,2-Trichloroethane	UG/L	10	U			10
MW-54R	1,1-Dichloroethene	UG/L	10	U			10
MW-54R	Benzene	UG/L	10	1	J		10
MW-54R	Chloroethane	UG/L	10	U			10
MW-54R	cis-1,2-Dichloroethene	UG/L		U			10
MW-54R	Tetrachloroethene	UG/L	10	U			10
MW-54R	trans-1,2-Dichloroethene	UG/L		U			10
MW-54R	Trichloroethene	UG/L	10	U			10
MW-54R	Vinyl chloride	UG/L	10	U			10
MW-55	1,1,1-Trichloroethane	UG/L	10	U			10
MW-55	1,1,2-Trichloroethane	UG/L	10	U			10
MW-55	1,1-Dichloroethene	UG/L	10	U			10
MW-55	Benzene	UG/L	10	U			10

BOLD = Exceedance

NA = Not Applicable

Comparison of Results to Baseline Highest Detections
September 2000
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detect during Baseline	Current Event			
				Result	LQ	DQ	Detect Limit
MW-55	Chloroethane	UG/L	10	U			10
MW-55	cis-1,2-Dichloroethene	UG/L		U			10
MW-55	Tetrachloroethene	UG/L	10	U			10
MW-55	trans-1,2-Dichloroethene	UG/L		U			10
MW-55	Trichloroethene	UG/L	10	U			10
MW-55	Vinyl chloride	UG/L	10	U			10

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Comparison of Results to Baseline Highest Detections
September 2000
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detect during Baseline	Current Event			
				Result	LQ	DQ	Detect Limit
ATMW-4D	Arsenic	UG/L			U		3.4
ATMW-4D	Lead	UG/L		2.4	B		3
M-1S	Arsenic	UG/L	3.0	3.9	B		10
M-1S	Lead	UG/L	2.5		U		2
M-4D	Arsenic	UG/L	2.5		U		3.4
M-4D	Lead	UG/L	3.1		U		2
M-4S	Arsenic	UG/L	6.8	5.6	B		10
M-4S	Lead	UG/L	6.1		U		2
MW-06	Arsenic	UG/L	72	13.5			10
MW-06	Lead	UG/L	9.6		U		2
MW-07	Arsenic	UG/L	3.5		U		3.4
MW-07	Lead	UG/L	5.8	3.2			3
MW-08	Arsenic	UG/L	6.1	4.2	B		10
MW-08	Lead	UG/L	3.4		U		2
MW-09R	Arsenic	UG/L	6.8		U		3.4
MW-09R	Lead	UG/L	6.7		U		2
MW-10C	Arsenic	UG/L	10		U		3.4
MW-10C	Lead	UG/L	19		U		2
MW-11	Arsenic	UG/L	2.0		U		3.4
MW-11	Lead	UG/L	7.9	4.3			3
MW-12	Arsenic	UG/L	7.8		U		3.4
MW-12	Lead	UG/L	12	2.1	B		3
MW-13	Arsenic	UG/L	2.0		U		3.4
MW-13	Lead	UG/L	2.3		U		2
MW-14	Arsenic	UG/L	11	10.3			10
MW-14	Lead	UG/L	20	5.9			3
MW-15	Arsenic	UG/L	59	68			10
MW-15	Lead	UG/L	2.4		U		2
MW-19	Arsenic	UG/L	27	29.9			10
MW-19	Lead	UG/L	3.7		U		2
MW-23	Arsenic	UG/L	5.3		U		3.4
MW-23	Lead	UG/L	7.7		U		2
MW-24	Arsenic	UG/L	10		U		3.4
MW-24	Lead	UG/L	25		U		2
MW-28	Arsenic	UG/L	4.9		U		3.4
MW-28	Lead	UG/L	12	3.4			3
MW-29	Arsenic	UG/L	2.9		U		3.4
MW-29	Lead	UG/L	2.4		U		2
MW-30	Arsenic	UG/L	4.3		U		3.4
MW-30	Lead	UG/L	8.0		U		2
MW-31	Arsenic	UG/L	7.5	3.8	B		10
MW-31	Lead	UG/L	8.9		U		2
MW-32	Arsenic	UG/L	4.9		U		3.4
MW-32	Lead	UG/L	11		U		2
MW-33	Arsenic	UG/L	23	21.8			10
MW-33	Lead	UG/L	1.5		U		2

BOLD = Exceedance

NA = Not Applicable

Comparison of Results to Baseline Highest Detections
September 2000
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detect during Baseline	Current Event			
				Result	LQ	DQ	Detect Limit
MW-34	Arsenic	UG/L	2.8		U		3.4
MW-34	Lead	UG/L	3.8		U		2
MW-37	Arsenic	UG/L	2.5		U		3.4
MW-37	Lead	UG/L	8.6	2	B		3
MW-38	Arsenic	UG/L	5.6		U		3.4
MW-38	Lead	UG/L	10	2	B		3
MW-39	Arsenic	UG/L	4.3		U		3.4
MW-39	Lead	UG/L	3.5		U		2
MW-40	Arsenic	UG/L	3.8		U		3.4
MW-40	Lead	UG/L	11	2.3	B		3
MW-41	Arsenic	UG/L	3.0		U		3.4
MW-41	Lead	UG/L	13		U		2
MW-42	Arsenic	UG/L	15	5.5	B		10
MW-42	Lead	UG/L	5.7		U		2
MW-43	Arsenic	UG/L	81	101			10
MW-43	Lead	UG/L	33	14.7			3
MW-44	Arsenic	UG/L	41	15.5			10
MW-44	Lead	UG/L	1.5		U		2
MW-45	Arsenic	UG/L	44	47.6			10
MW-45	Lead	UG/L	39		U		2
MW-47	Arsenic	UG/L	2.0		U		3.4
MW-47	Lead	UG/L	23		U		2
MW-48	Arsenic	UG/L	13	7.8	B		10
MW-48	Lead	UG/L	7.7		U		2
MW-49	Arsenic	UG/L	38	24.1			10
MW-49	Lead	UG/L	4.4		U		2
MW-50	Arsenic	UG/L	7.7	8.2	B		10
MW-50	Lead	UG/L	14	16.1			3
MW-51	Arsenic	UG/L	3.9		U		3.4
MW-51	Lead	UG/L	3.9		U		2
MW-52	Arsenic	UG/L	125		U		3.4
MW-52	Lead	UG/L	31		U		2
MW-53	Arsenic	UG/L	30		U		3.4
MW-53	Lead	UG/L	138	2.5	B		3
MW-54R	Arsenic	UG/L	9.8		U		3.4
MW-54R	Lead	UG/L	10		U		2
MW-55	Arsenic	UG/L	13		U		3.4
MW-55	Lead	UG/L	46		U		2

[BOLD] = Exceedance

NA = Not Applicable

Comparison of Current Results to Baseline Detections

September 2000

American Chemical Services NPL Site

Griffith, Indiana

Well	Analyte	Units	Highest Detect during Baseline	Current Event			
				Result	LQ	DQ	Detect Limit
PW-A	1,1,1-Trichloroethane	UG/L	1.0		U		1
PW-A	1,1,2,2-Tetrachloroethane	UG/L	1.0		U		1
PW-A	1,1,2-Trichloroethane	UG/L	1.0		U		1
PW-A	1,1-Dichloroethane	UG/L	1.0		U		1
PW-A	1,1-Dichloroethene	UG/L	1.0		U		1
PW-A	1,2,4-Trichlorobenzene	UG/L	NA		U		1
PW-A	1,2-Dibromo-3-chloropropane	UG/L	NA		U		1
PW-A	1,2-Dibromoethane	UG/L	NA		U		1
PW-A	1,2-Dichlorobenzene	UG/L	NA		U		1
PW-A	1,2-Dichloroethane	UG/L	1.0		U		1
PW-A	1,2-Dichloropropane	UG/L	1.0		U		1
PW-A	1,3-Dichlorobenzene	UG/L	NA		U		1
PW-A	1,4-Dichlorobenzene	UG/L	NA		U		1
PW-A	2-Butanone	UG/L	5.0	4	J		2
PW-A	2-Hexanone	UG/L	5.0		U		5
PW-A	4-Methyl-2-pentanone	UG/L	5.0		U		5
PW-A	Acetone	UG/L	10		U		5
PW-A	Benzene	UG/L	1.0		U		1
PW-A	Bromochloromethane	UG/L	NA		U		1
PW-A	Bromodichloromethane	UG/L	1.0		U		1
PW-A	Bromoform	UG/L	1.0		U		1
PW-A	Bromomethane	UG/L	1.0		U		1
PW-A	Carbon disulfide	UG/L	1.0		U		1
PW-A	Carbon Tetrachloride	UG/L	1.0		U		1
PW-A	Chlorobenzene	UG/L	1.0		U		1
PW-A	Chloroethane	UG/L	1.0		U		1
PW-A	Chloroform	UG/L	1.0		U		1
PW-A	Chloromethane	UG/L	1.0		U		1
PW-A	cis-1,2-Dichloroethene	UG/L	NA		U		1
PW-A	cis-1,3-Dichloropropene	UG/L	1.0		U		1
PW-A	Dibromochloromethane	UG/L	1.0		U		1
PW-A	Ethyl Benzene	UG/L	1.0		U		1
PW-A	Methylene chloride	UG/L	1.0		U		2
PW-A	Styrene	UG/L	1.0		U		1
PW-A	Tetrachloroethene	UG/L	1.0		U		1
PW-A	Toluene	UG/L	1.0		U		1
PW-A	trans-1,2-Dichloroethene	UG/L	NA		U		1
PW-A	trans-1,3-Dichloropropene	UG/L	1.0		U		1
PW-A	Trichloroethene	UG/L	1.0		U		1
PW-A	Vinyl chloride	UG/L	1.0		U		1
PW-A	Xylenes (total)	UG/L	5.0		U		1
PW-B	1,1,1-Trichloroethane	UG/L	1.0		U		1
PW-B	1,1,2,2-Tetrachloroethane	UG/L	1.0		U		1
PW-B	1,1,2-Trichloroethane	UG/L	1.0		U		1
PW-B	1,1-Dichloroethane	UG/L	1.0		U		1
PW-B	1,1-Dichloroethene	UG/L	1.0		U		1

BOLD = Exceedance

NA = Not Applicable

Comparison of Current Results to Baseline Detections

September 2000

American Chemical Services NPL Site

Griffith, Indiana

Well	Analyte	Units	Highest Detect during Baseline	Current Event			
				Result	LQ	DQ	Detect Limit
PW-B	1,2,4-Trichlorobenzene	UG/L	NA	U			1
PW-B	1,2-Dibromo-3-chloropropane	UG/L	NA	U			1
PW-B	1,2-Dibromoethane	UG/L	NA	U			1
PW-B	1,2-Dichlorobenzene	UG/L	NA	U			1
PW-B	1,2-Dichloroethane	UG/L	1.0	U			1
PW-B	1,2-Dichloropropane	UG/L	1.0	U			1
PW-B	1,3-Dichlorobenzene	UG/L	NA	U			1
PW-B	1,4-Dichlorobenzene	UG/L	NA	U			1
PW-B	2-Butanone	UG/L	5.0	U			5
PW-B	2-Hexanone	UG/L	5.0	U			5
PW-B	4-Methyl-2-pentanone	UG/L	5.0	U			5
PW-B	Acetone	UG/L	5.0	U			5
PW-B	Benzene	UG/L	1.0	U			1
PW-B	Bromochloromethane	UG/L	NA	U			1
PW-B	Bromodichloromethane	UG/L	1.0	U			1
PW-B	Bromoform	UG/L	1.0	U			1
PW-B	Bromomethane	UG/L	1.0	U			1
PW-B	Carbon disulfide	UG/L	1.0	U			1
PW-B	Carbon Tetrachloride	UG/L	1.0	U			1
PW-B	Chlorobenzene	UG/L	1.0	U			1
PW-B	Chloroethane	UG/L	1.0	U			1
PW-B	Chloroform	UG/L	1.0	U			1
PW-B	Chloromethane	UG/L	1.0	U			1
PW-B	cis-1,2-Dichloroethene	UG/L	NA	U			1
PW-B	cis-1,3-Dichloropropene	UG/L	1.0	U			1
PW-B	Dibromochloromethane	UG/L	1.0	U			1
PW-B	Ethyl Benzene	UG/L	1.0	U			1
PW-B	Methylene chloride	UG/L	1.0	U			2
PW-B	Styrene	UG/L	1.0	U			1
PW-B	Tetrachloroethene	UG/L	1.0	U			1
PW-B	Toluene	UG/L	1.0	U			1
PW-B	trans-1,2-Dichloroethene	UG/L	NA	U			1
PW-B	trans-1,3-Dichloropropene	UG/L	1.0	U			1
PW-B	Trichloroethene	UG/L	1.0	U			1
PW-B	Vinyl chloride	UG/L	1.0	U			1
PW-B	Xylenes (total)	UG/L	5.0	U			1
PW-C	1,1,1-Trichloroethane	UG/L	1.0	U			1
PW-C	1,1,2,2-Tetrachloroethane	UG/L	1.0	U			1
PW-C	1,1,2-Trichloroethane	UG/L	1.0	U			1
PW-C	1,1-Dichloroethane	UG/L	1.0	U			1
PW-C	1,1-Dichloroethene	UG/L	1.0	U			1
PW-C	1,2,4-Trichlorobenzene	UG/L	NA	U			1
PW-C	1,2-Dibromo-3-chloropropane	UG/L	NA	U			1
PW-C	1,2-Dibromoethane	UG/L	NA	U			1
PW-C	1,2-Dichlorobenzene	UG/L	NA	U			1
PW-C	1,2-Dichloroethane	UG/L	1.0	U			1

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Comparison of Current Results to Baseline Detections
September 2000
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detect during Baseline	Current Event			
				Result	LQ	DQ	Detect Limit
PW-C	1,2-Dichloropropane	UG/L	1.0		U		1
PW-C	1,3-Dichlorobenzene	UG/L	NA		U		1
PW-C	1,4-Dichlorobenzene	UG/L	NA		U		1
PW-C	2-Butanone	UG/L	5.0		U		5
PW-C	2-Hexanone	UG/L	5.0		U		5
PW-C	4-Methyl-2-pentanone	UG/L	5.0		U		5
PW-C	Acetone	UG/L	5.0		U		5
PW-C	Benzene	UG/L	1.0		U		1
PW-C	Bromochloromethane	UG/L	NA	0.2	J		0
PW-C	Bromodichloromethane	UG/L	1.0		U		1
PW-C	Bromoform	UG/L	1.0		U		1
PW-C	Bromomethane	UG/L	1.0		U		1
PW-C	Carbon disulfide	UG/L	1.0		U		1
PW-C	Carbon Tetrachloride	UG/L	1.0		U		1
PW-C	Chlorobenzene	UG/L	1.0		U		1
PW-C	Chloroethane	UG/L	1.0		U		1
PW-C	Chloroform	UG/L	1.0		U		1
PW-C	Chloromethane	UG/L	1.0		U		1
PW-C	cis-1,2-Dichloroethene	UG/L	NA		U		1
PW-C	cis-1,3-Dichloropropene	UG/L	1.0		U		1
PW-C	Dibromochloromethane	UG/L	1.0		U		1
PW-C	Ethyl Benzene	UG/L	1.0		U		1
PW-C	Methylene chloride	UG/L	1.0		U		2
PW-C	Styrene	UG/L	1.0		U		1
PW-C	Tetrachloroethene	UG/L	1.0		U		1
PW-C	Toluene	UG/L	1.0		U		1
PW-C	trans-1,2-Dichloroethene	UG/L	NA		U		1
PW-C	trans-1,3-Dichloropropene	UG/L	1.0		U		1
PW-C	Trichloroethene	UG/L	1.0		U		1
PW-C	Vinyl chloride	UG/L	1.0		U		1
PW-C	Xylenes (total)	UG/L	5.0		U		1
PW-D	1,1,1-Trichloroethane	UG/L	1.0		U		1
PW-D	1,1,2,2-Tetrachloroethane	UG/L	1.0		U		1
PW-D	1,1,2-Trichloroethane	UG/L	1.0		U		1
PW-D	1,1-Dichloroethane	UG/L	1.0		U		1
PW-D	1,1-Dichloroethene	UG/L	1.0		U		1
PW-D	1,2,4-Trichlorobenzene	UG/L	NA		U		1
PW-D	1,2-Dibromo-3-chloropropane	UG/L	NA		U		1
PW-D	1,2-Dibromoethane	UG/L	NA		U		1
PW-D	1,2-Dichlorobenzene	UG/L	NA		U		1
PW-D	1,2-Dichloroethane	UG/L	1.0		U		1
PW-D	1,2-Dichloropropane	UG/L	1.0		U		1
PW-D	1,3-Dichlorobenzene	UG/L	NA		U		1
PW-D	1,4-Dichlorobenzene	UG/L	NA		U		1
PW-D	2-Butanone	UG/L	5.0		U		5
PW-D	2-Hexanone	UG/L	5.0		U		5

BOLD = Exceedance

NA = Not Applicable

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Comparison of Current Results to Baseline Detections

September 2000

American Chemical Services NPL Site

Griffith, Indiana

Well	Analyte	Units	Highest Detect during Baseline	Current Event			
				Result	LQ	DQ	Detect Limit
PW-D	4-Methyl-2-pentanone	UG/L	5.0		U		5
PW-D	Acetone	UG/L	5.0		U		5
PW-D	Benzene	UG/L	1.0		U		1
PW-D	Bromo(chloromethane)	UG/L	NA		U		1
PW-D	Bromodichloromethane	UG/L	1.0		U		1
PW-D	Bromoform	UG/L	1.0		U		1
PW-D	Bromomethane	UG/L	1.0		U		1
PW-D	Carbon disulfide	UG/L	1.0	0.08	J		2
PW-D	Carbon Tetrachloride	UG/L	1.0		U		1
PW-D	Chlorobenzene	UG/L	1.0		U		1
PW-D	Chloroethane	UG/L	1.0		U		1
PW-D	Chloroform	UG/L	1.0		U		1
PW-D	Chloromethane	UG/L	1.0		U		1
PW-D	cis-1,2-Dichloroethene	UG/L	NA		U		1
PW-D	cis-1,3-Dichloropropene	UG/L	1.0		U		1
PW-D	Dibromochloromethane	UG/L	1.0		U		1
PW-D	Ethyl Benzene	UG/L	1.0		U		1
PW-D	Methylene chloride	UG/L	2.0	0.5	J		2
PW-D	Styrene	UG/L	1.0		U		1
PW-D	Tetrachloroethene	UG/L	1.0		U		1
PW-D	Toluene	UG/L	1.0		U		1
PW-D	trans-1,2-Dichloroethene	UG/L	NA		U		1
PW-D	trans-1,3-Dichloropropene	UG/L	1.0		U		1
PW-D	Trichloroethene	UG/L	1.0		U		1
PW-D	Vinyl chloride	UG/L	1.0		U		1
PW-D	Xylenes (total)	UG/L	5.0		U		1
PW-Y	1,1,1-Trichloroethane	UG/L	1.0		U		1
PW-Y	1,1,2,2-Tetrachloroethane	UG/L	1.0		U		1
PW-Y	1,1,2-Trichloroethane	UG/L	1.0		U		1
PW-Y	1,1-Dichloroethane	UG/L	1.0		U		1
PW-Y	1,1-Dichloroethene	UG/L	1.0		U		1
PW-Y	1,2,4-Trichlorobenzene	UG/L	NA		U		1
PW-Y	1,2-Dibromo-3-chloropropane	UG/L	NA		U		1
PW-Y	1,2-Dibromoethane	UG/L	NA		U		1
PW-Y	1,2-Dichlorobenzene	UG/L	NA		U		1
PW-Y	1,2-Dichloroethane	UG/L	1.0		U		1
PW-Y	1,2-Dichloropropane	UG/L	1.0		U		1
PW-Y	1,3-Dichlorobenzene	UG/L	NA		U		1
PW-Y	1,4-Dichlorobenzene	UG/L	NA		U		1
PW-Y	2-Butanone	UG/L	NA		U		5
PW-Y	2-Hexanone	UG/L	5.0		U		5
PW-Y	4-Methyl-2-pentanone	UG/L	5.0		U		5
PW-Y	Acetone	UG/L	NA	8			2
PW-Y	Benzene	UG/L	1.0		U		1
PW-Y	Bromo(chloromethane)	UG/L	NA		U		1
PW-Y	Bromodichloromethane	UG/L	1.0		U		1

BOLD = Exceedance

NA = Not Applicable

Comparison of Current Results to Baseline Detections
September 2000
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detect during Baseline	Current Event			
				Result	LQ	DQ	Detect Limit
PW-Y	Bromoform	UG/L	1.0		U		1
PW-Y	Bromomethane	UG/L	1.0		U		1
PW-Y	Carbon disulfide	UG/L	1.0		U		1
PW-Y	Carbon Tetrachloride	UG/L	1.0		U		1
PW-Y	Chlorobenzene	UG/L	1.0		U		1
PW-Y	Chloroethane	UG/L	1.0		U		1
PW-Y	Chloroform	UG/L	1.0		U		1
PW-Y	Chloromethane	UG/L	NA		U		1
PW-Y	cis-1,2-Dichloroethene	UG/L	NA		U		1
PW-Y	cis-1,3-Dichloropropene	UG/L	1.0		U		1
PW-Y	Dibromochloromethane	UG/L	1.0		U		1
PW-Y	Ethyl Benzene	UG/L	1.0		U		1
PW-Y	Methylene chloride	UG/L	2.0	0.5	J		2
PW-Y	Styrene	UG/L	1.0		U		1
PW-Y	Tetrachloroethene	UG/L	1.0		U		1
PW-Y	Toluene	UG/L	1.0		U		1
PW-Y	trans-1,2-Dichloroethene	UG/L	NA		U		1
PW-Y	trans-1,3-Dichloropropene	UG/L	1.0		U		1
PW-Y	Trichloroethene	UG/L	1.0		U		1
PW-Y	Vinyl chloride	UG/L	1.0		U		1
PW-Y	Xylenes (total)	UG/L	5.0		U		1

[BOLD] = Exceedance

NA = Not Applicable

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Comparison of Current Results to Baseline Detections
September 2000
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detect during Baseline	Current Event			
				Result	LQ	DQ	Detect Limit
PW-A	2,2'-oxybis(1-Chloropropane)	UG/L	5.0		U		5
PW-A	2,4,5-Trichlorophenol	UG/L	20		U		19
PW-A	2,4,6-Trichlorophenol	UG/L	5.0		U		5
PW-A	2,4-Dichlorophenol	UG/L	5.0		U		5
PW-A	2,4-Dimethylphenol	UG/L	5.0		U		5
PW-A	2,4-Dinitrophenol	UG/L	20		U		19
PW-A	2,4-Dinitrotoluene	UG/L	5.0		U		5
PW-A	2,6-Dinitrotoluene	UG/L	5.0		U		5
PW-A	2-Chloronaphthalene	UG/L	5.0		U		5
PW-A	2-Chlorophenol	UG/L	5.0		U		5
PW-A	2-Methylnaphthalene	UG/L	5.0		U		5
PW-A	2-Methylphenol	UG/L	5.0		U		5
PW-A	2-Nitroaniline	UG/L	20		U		19
PW-A	2-Nitrophenol	UG/L	5.0		U		5
PW-A	3,3'-Dichlorobenzidine	UG/L	5.0		U		5
PW-A	3-Nitroaniline	UG/L	20		U		19
PW-A	4,6-Dinitro-2-methylphenol	UG/L	20		U		19
PW-A	4-Bromophenyl-phenylether	UG/L	5.0		U		5
PW-A	4-Chloro-3-methylphenol	UG/L	5.0		U		5
PW-A	4-Chloroaniline	UG/L	5.0		U		5
PW-A	4-Chlorophenyl-phenyl ether	UG/L	5.0		U		5
PW-A	4-Methylphenol	UG/L	5.0		U		5
PW-A	4-Nitroaniline	UG/L	20		U		19
PW-A	4-Nitrophenol	UG/L	20		U		19
PW-A	Acenaphthene	UG/L	5.0		U		5
PW-A	Acenaphthylene	UG/L	5.0		U		5
PW-A	Anthracene	UG/L	5.0		U		5
PW-A	Benzo(a)anthracene	UG/L	5.0		U		5
PW-A	Benzo(a)pyrene	UG/L	5.0		U		5
PW-A	Benzo(b)fluoranthene	UG/L	5.0		U		5
PW-A	Benzo(g,h,i)perylene	UG/L	5.0		U		5
PW-A	Benzo(k)fluoranthene	UG/L	5.0		U		5
PW-A	Bis(2-chloroethoxy)methane	UG/L	5.0		U		5
PW-A	bis(2-chloroethyl) ether	UG/L	5.0		U		5
PW-A	Bis(2-ethylhexyl)phthalate	UG/L	5.0		U		5
PW-A	Butylbenzylphthalate	UG/L	5.0		U		5
PW-A	Chrysene	UG/L	5.0		U		5
PW-A	Di-n-butylphthalate	UG/L	5.0		U		5
PW-A	Di-n-octylphthalate	UG/L	5.0		U		5
PW-A	Dibenzo(a,h)anthracene	UG/L	5.0		U		5
PW-A	Dibenzofuran	UG/L	5.0		U		5
PW-A	Diethylphthalate	UG/L	5.0		U		5
PW-A	Dimethylphthalate	UG/L	5.0		U		5
PW-A	Fluoranthene	UG/L	5.0		U		5
PW-A	Fluorene	UG/L	5.0		U		5
PW-A	Hexachlorobenzene	UG/L	5.0		U		5

~~BOLE~~ = Exceedance

NA = Not Applicable

Page 1

Comparison of Current Results to Baseline Detections
September 2000
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detect during Baseline	Current Event			
				Result	LQ	DQ	Detect Limit
PW-A	Hexachlorobutadiene	UG/L	5.0		U		5
PW-A	Hexachlorocyclopentadiene	UG/L	5.0		U		5
PW-A	Hexachloroethane	UG/L	5.0		U		5
PW-A	Indeno(1,2,3-cd)pyrene	UG/L	5.0		U		5
PW-A	Isophorone	UG/L	5.0		U		5
PW-A	N-Nitroso-di-n-propylamine	UG/L	5.0		U		5
PW-A	N-Nitrosodiphenylamine	UG/L	5.0		U		5
PW-A	Naphthalene	UG/L	5.0		U		5
PW-A	Nitrobenzene	UG/L	5.0		U		5
PW-A	Pentachlorophenol	UG/L	20		U		17
PW-A	Phenanthrene	UG/L	5.0		U		5
PW-A	Phenol	UG/L	5.0		U		5
PW-A	Pyrene	UG/L	5.0		U		5
PW-B	2,2'-oxybis(1-Chloropropane)	UG/L	5.0		U		5
PW-B	2,4,5-Trichlorophenol	UG/L	20		U		18
PW-B	2,4,6-Trichlorophenol	UG/L	5.0		U		5
PW-B	2,4-Dichlorophenol	UG/L	5.0		U		5
PW-B	2,4-Dimethylphenol	UG/L	5.0		U		5
PW-B	2,4-Dinitrophenol	UG/L	20		U		18
PW-B	2,4-Dinitrotoluene	UG/L	5.0		U		5
PW-B	2,6-Dinitrotoluene	UG/L	5.0		U		5
PW-B	2-Chloronaphthalene	UG/L	5.0		U		5
PW-B	2-Chlorophenol	UG/L	5.0		U		5
PW-B	2-Methylnaphthalene	UG/L	5.0		U		5
PW-B	2-Methylphenol	UG/L	5.0		U		5
PW-B	2-Nitroaniline	UG/L	20		U		18
PW-B	2-Nitrophenol	UG/L	5.0		U		5
PW-B	3,3'-Dichlorobenzidine	UG/L	5.0		U		5
PW-B	3-Nitroaniline	UG/L	20		U		18
PW-B	4,6-Dinitro-2-methylphenol	UG/L	20		U		18
PW-B	4-Bromophenyl-phenylether	UG/L	5.0		U		5
PW-B	4-Chloro-3-methylphenol	UG/L	5.0		U		5
PW-B	4-Chloroaniline	UG/L	5.0		U		5
PW-B	4-Chlorophenyl-phenyl ether	UG/L	5.0		U		5
PW-B	4-Methylphenol	UG/L	5.0		U		5
PW-B	4-Nitroaniline	UG/L	20		U		18
PW-B	4-Nitrophenol	UG/L	20		U		18
PW-B	Acenaphthene	UG/L	5.0		U		5
PW-B	Acenaphthylene	UG/L	5.0		U		5
PW-B	Anthracene	UG/L	5.0		U		5
PW-B	Benzo(a)anthracene	UG/L	5.0		U		5
PW-B	Benzo(a)pyrene	UG/L	5.0		U		5
PW-B	Benzo(b)fluoranthene	UG/L	5.0		U		5
PW-B	Benzo(g,h,i)perylene	UG/L	5.0		U		5
PW-B	Benzo(k)fluoranthene	UG/L	5.0		U		5
PW-B	Bis(2-chloroethoxy)methane	UG/L	5.0		U		5

BOLD = Exceedance

NA = Not Applicable

Comparison of Current Results to Baseline Detections

September 2000

American Chemical Services NPL Site

Griffith, Indiana

Well	Analyte	Units	Highest Detect during Baseline	Current Event			
				Result	LQ	DQ	Detect Limit
PW-B	bis(2-chloroethyl) ether	UG/L	5.0	U			5
PW-B	Bis(2-ethylhexyl)phthalate	UG/L	5.0	U			5
PW-B	Butylbenzylphthalate	UG/L	5.0	U			5
PW-B	Chrysene	UG/L	5.0	U			5
PW-B	Di-n-butylphthalate	UG/L	5.0	U			5
PW-B	Di-n-octylphthalate	UG/L	5.0	U			5
PW-B	Dibenz(a,h)anthracene	UG/L	5.0	U			5
PW-B	Dibenzofuran	UG/L	5.0	U			5
PW-B	Diethylphthalate	UG/L	5.0	U			5
PW-B	Dimethylphthalate	UG/L	5.0	U			5
PW-B	Fluoranthene	UG/L	5.0	U			5
PW-B	Fluorene	UG/L	5.0	U			5
PW-B	Hexachlorobenzene	UG/L	5.0	U			5
PW-B	Hexachlorobutadiene	UG/L	5.0	U			5
PW-B	Hexachlorocyclopentadiene	UG/L	5.0	U			5
PW-B	Hexachloroethane	UG/L	5.0	U			5
PW-B	Indeno(1,2,3-cd)pyrene	UG/L	5.0	U			5
PW-B	Isophorone	UG/L	5.0	U			5
PW-B	N-Nitroso-di-n-propylamine	UG/L	5.0	U			5
PW-B	N-Nitrosodiphenylamine	UG/L	5.0	U			5
PW-B	Naphthalene	UG/L	5.0	U			5
PW-B	Nitrobenzene	UG/L	5.0	U			5
PW-B	Pentachlorophenol	UG/L	20	U			16
PW-B	Phenanthrene	UG/L	5.0	U			5
PW-B	Phenol	UG/L	5.0	U			5
PW-B	Pyrene	UG/L	5.0	U			5
PW-C	2,2'-oxybis(1-Chloropropane)	UG/L	5.0	U			5
PW-C	2,4,5-Trichlorophenol	UG/L	20	U			19
PW-C	2,4,6-Trichlorophenol	UG/L	5.0	U			5
PW-C	2,4-Dichlorophenol	UG/L	5.0	U			5
PW-C	2,4-Dimethylphenol	UG/L	5.0	U			5
PW-C	2,4-Dinitrophenol	UG/L	20	U			19
PW-C	2,4-Dinitrotoluene	UG/L	5.0	U			5
PW-C	2,6-Dinitrotoluene	UG/L	5.0	U			5
PW-C	2-Chloronaphthalene	UG/L	5.0	U			5
PW-C	2-Chlorophenol	UG/L	5.0	U			5
PW-C	2-Methylnaphthalene	UG/L	5.0	U			5
PW-C	2-Methylphenol	UG/L	5.0	U			5
PW-C	2-Nitroaniline	UG/L	20	U			19
PW-C	2-Nitrophenol	UG/L	5.0	U			5
PW-C	3,3'-Dichlorobenzidine	UG/L	5.0	U			5
PW-C	3-Nitroaniline	UG/L	20	U			19
PW-C	4,6-Dinitro-2-methylphenol	UG/L	20	U			19
PW-C	4-Bromophenyl-phenylether	UG/L	5.0	U			5
PW-C	4-Chloro-3-methylphenol	UG/L	5.0	U			5
PW-C	4-Chloroaniline	UG/L	5.0	U			5

[REDACTED] = Exceedance

NA = Not Applicable

Comparison of Current Results to Baseline Detections

September 2000

American Chemical Services NPL Site

Griffith, Indiana

Well	Analyte	Units	Highest Detect during Baseline	Current Event			
				Result	LQ	DQ	Detect Limit
PW-C	4-Chlorophenyl-phenyl ether	UG/L	5.0		U		5
PW-C	4-Methylphenol	UG/L	5.0		U		5
PW-C	4-Nitroaniline	UG/L	20		U		19
PW-C	4-Nitrophenol	UG/L	20		U		19
PW-C	Acenaphthene	UG/L	5.0		U		5
PW-C	Acenaphthylene	UG/L	5.0		U		5
PW-C	Anthracene	UG/L	5.0		U		5
PW-C	Benzo(a)anthracene	UG/L	5.0		U		5
PW-C	Benzo(a)pyrene	UG/L	5.0		U		5
PW-C	Benzo(b)fluoranthene	UG/L	5.0		U		5
PW-C	Benzo(g,h,i)perylene	UG/L	5.0		U		5
PW-C	Benzo(k)fluoranthene	UG/L	5.0		U		5
PW-C	Bis(2-chloroethoxy)methane	UG/L	5.0		U		5
PW-C	bis(2-chloroethyl) ether	UG/L	5.0		U		5
PW-C	Bis(2-ethylhexyl)phthalate	UG/L	5.0		U		5
PW-C	Butylbenzylphthalate	UG/L	5.0		U		5
PW-C	Chrysene	UG/L	5.0		U		5
PW-C	Di-n-butylphthalate	UG/L	5.0		U		5
PW-C	Di-n-octylphthalate	UG/L	5.0		U		5
PW-C	Dibenzo(a,h)anthracene	UG/L	5.0		U		5
PW-C	Dibenzofuran	UG/L	5.0		U		5
PW-C	Diethylphthalate	UG/L	5.0		U		5
PW-C	Dimethylphthalate	UG/L	5.0		U		5
PW-C	Fluoranthene	UG/L	5.0		U		5
PW-C	Fluorene	UG/L	5.0		U		5
PW-C	Hexachlorobenzene	UG/L	5.0		U		5
PW-C	Hexachlorobutadiene	UG/L	5.0		U		5
PW-C	Hexachlorocyclopentadiene	UG/L	5.0		U		5
PW-C	Hexachloroethane	UG/L	5.0		U		5
PW-C	Indeno(1,2,3-cd)pyrene	UG/L	5.0		U		5
PW-C	Isophorone	UG/L	5.0		U		5
PW-C	N-Nitroso-di-n-propylamine	UG/L	5.0		U		5
PW-C	N-Nitrosodiphenylamine	UG/L	5.0		U		5
PW-C	Naphthalene	UG/L	5.0		U		5
PW-C	Nitrobenzene	UG/L	5.0		U		5
PW-C	Pentachlorophenol	UG/L	20		U		17
PW-C	Phenanthrene	UG/L	5.0		U		5
PW-C	Phenol	UG/L	5.0		U		5
PW-C	Pyrene	UG/L	5.0		U		5
PW-D	2,2'-oxybis(1-Chloropropane)	UG/L	5.0		U		5
PW-D	2,4,5-Trichlorophenol	UG/L	20		U		18
PW-D	2,4,6-Trichlorophenol	UG/L	5.0		U		5
PW-D	2,4-Dichlorophenol	UG/L	5.0		U		5
PW-D	2,4-Dimethylphenol	UG/L	5.0		U		5
PW-D	2,4-Dinitrophenol	UG/L	20		U		18
PW-D	2,4-Dinitrotoluene	UG/L	5.0		U		5

BOLE = Exceedance

NA = Not Applicable

Comparison of Current Results to Baseline Detections
September 2000
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detect during Baseline	Current Event			
				Result	LQ	DQ	Detect Limit
PW-D	2,6-Dinitrotoluene	UG/L	5.0	U			5
PW-D	2-Chloronaphthalene	UG/L	5.0	U			5
PW-D	2-Chlorophenol	UG/L	5.0	U			5
PW-D	2-Methylnaphthalene	UG/L	5.0	U			5
PW-D	2-Methylphenol	UG/L	5.0	U			5
PW-D	2-Nitroaniline	UG/L	20	U			18
PW-D	2-Nitrophenol	UG/L	5.0	U			5
PW-D	3,3'-Dichlorobenzidine	UG/L	5.0	U			5
PW-D	3-Nitroaniline	UG/L	20	U			18
PW-D	4,6-Dinitro-2-methylphenol	UG/L	20	U			18
PW-D	4-Bromophenyl-phenylether	UG/L	5.0	U			5
PW-D	4-Chloro-3-methylphenol	UG/L	5.0	U			5
PW-D	4-Chloroaniline	UG/L	5.0	U			5
PW-D	4-Chlorophenyl-phenyl ether	UG/L	5.0	U			5
PW-D	4-Methylphenol	UG/L	5.0	U			5
PW-D	4-Nitroaniline	UG/L	20	U			18
PW-D	4-Nitrophenol	UG/L	20	U			18
PW-D	Acenaphthene	UG/L	5.0	U			5
PW-D	Acenaphthylene	UG/L	5.0	U			5
PW-D	Anthracene	UG/L	5.0	U			5
PW-D	Benzo(a)anthracene	UG/L	5.0	U			5
PW-D	Benzo(a)pyrene	UG/L	5.0	U			5
PW-D	Benzo(b)fluoranthene	UG/L	5.0	U			5
PW-D	Benzo(g,h,i)perylene	UG/L	5.0	U			5
PW-D	Benzo(k)fluoranthene	UG/L	5.0	U			5
PW-D	Bis(2-chloroethoxy)methane	UG/L	5.0	U			5
PW-D	bis(2-chloroethyl) ether	UG/L	5.0	U			5
PW-D	Bis(2-ethylhexyl)phthalate	UG/L	5.0	U			5
PW-D	Butylbenzylphthalate	UG/L	5.0	U			5
PW-D	Chrysene	UG/L	5.0	U			5
PW-D	Di-n-butylphthalate	UG/L	5.0	U			5
PW-D	Di-n-octylphthalate	UG/L	5.0	U			5
PW-D	Dibenzo(a,h)anthracene	UG/L	5.0	U			5
PW-D	Dibenzofuran	UG/L	5.0	U			5
PW-D	Diethylphthalate	UG/L	5.0	U			5
PW-D	Dimethylphthalate	UG/L	5.0	U			5
PW-D	Fluoranthene	UG/L	5.0	U			5
PW-D	Fluorene	UG/L	5.0	U			5
PW-D	Hexachlorobenzene	UG/L	5.0	U			5
PW-D	Hexachlorobutadiene	UG/L	5.0	U			5
PW-D	Hexachlorocyclopentadiene	UG/L	5.0	U			5
PW-D	Hexachloroethane	UG/L	5.0	U			5
PW-D	Indeno(1,2,3-cd)pyrene	UG/L	5.0	U			5
PW-D	Isophorone	UG/L	5.0	U			5
PW-D	N-Nitroso-di-n-propylamine	UG/L	5.0	U			5
PW-D	N-Nitrosodiphenylamine	UG/L	5.0	U			5

BOLE = Exceedance

NA = Not Applicable

Comparison of Current Results to Baseline Detections
September 2000
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detect during Baseline	Current Event			
				Result	LQ	DQ	Detect Limit
PW-D	Naphthalene	UG/L	5.0	U			5
PW-D	Nitrobenzene	UG/L	5.0	U			5
PW-D	Pentachlorophenol	UG/L	20	U			18
PW-D	Phenanthrene	UG/L	5.0	U			5
PW-D	Phenol	UG/L	5.0	U			5
PW-D	Pyrene	UG/L	5.0	U			5
PW-Y	2,2'-oxybis(1-Chloropropane)	UG/L	5.0	U			5
PW-Y	2,4,5-Trichloropheno!	UG/L	20	U			20
PW-Y	2,4,6-Trichlorophenol	UG/L	5.0	U			5
PW-Y	2,4-Dichlorophenol	UG/L	5.0	U			5
PW-Y	2,4-Dimethylphenol	UG/L	5.0	U			5
PW-Y	2,4-Dinitrophenol	UG/L	20	U			20
PW-Y	2,4-Dinitrotoluene	UG/L	5.0	U			5
PW-Y	2,6-Dinitrotoluene	UG/L	5.0	U			5
PW-Y	2-Chloronaphthalene	UG/L	5.0	U			5
PW-Y	2-Chlorophenol	UG/L	5.0	U			5
PW-Y	2-Methylnaphthalene	UG/L	5.0	U			5
PW-Y	2-Methylphenol	UG/L	5.0	U			5
PW-Y	2-Nitroaniline	UG/L	20	U			20
PW-Y	2-Nitrophenol	UG/L	5.0	U			5
PW-Y	3,3'-Dichlorobenzidine	UG/L	5.0	U			5
PW-Y	3-Nitroaniline	UG/L	20	U			20
PW-Y	4,6-Dinitro-2-methylphenol	UG/L	20	U			20
PW-Y	4-Bromophenyl-phenylether	UG/L	5.0	U			5
PW-Y	4-Chloro-3-methylphenol	UG/L	5.0	U			5
PW-Y	4-Chloroaniline	UG/L	5.0	U			5
PW-Y	4-Chlorophenyl-phenyl ether	UG/L	5.0	U			5
PW-Y	4-Methylphenol	UG/L	5.0	U			5
PW-Y	4-Nitroaniline	UG/L	20	U			20
PW-Y	4-Nitrophenol	UG/L	20	U			20
PW-Y	Acenaphthene	UG/L	5.0	U			5
PW-Y	Acenaphthylene	UG/L	5.0	U			5
PW-Y	Anthracene	UG/L	5.0	U			5
PW-Y	Benzo(a)anthracene	UG/L	5.0	U			5
PW-Y	Benzo(a)pyrene	UG/L	5.0	U			5
PW-Y	Benzo(b)fluoranthene	UG/L	5.0	U			5
PW-Y	Benzo(g,h,i)perylene	UG/L	5.0	U			5
PW-Y	Benzo(k)fluoranthene	UG/L	5.0	U			5
PW-Y	Bis(2-chloroethoxy)methane	UG/L	5.0	U			5
PW-Y	bis(2-chloroethyl) ether	UG/L	5.0	U			5
PW-Y	Bis(2-ethylhexyl)phthalate	UG/L	5.0	U			5
PW-Y	Butylbenzylphthalate	UG/L	5.0	U			5
PW-Y	Chrysene	UG/L	5.0	U			5
PW-Y	Di-n-butylphthalate	UG/L	5.0	U			5
PW-Y	Di-n-octylphthalate	UG/L	5.0	U			5
PW-Y	Dibenzo(a,h)anthracene	UG/L	5.0	U			5

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Comparison of Current Results to Baseline Detections

September 2000

American Chemical Services NPL Site

Griffith, Indiana

Well	Analyte	Units	Highest Detect during Baseline	Current Event			
				Result	LQ	DQ	Detect Limit
PW-Y	Dibenzofuran	UG/L	5.0	U			5
PW-Y	Diethylphthalate	UG/L	5.0	U			5
PW-Y	Dimethylphthalate	UG/L	5.0	U			5
PW-Y	Fluoranthene	UG/L	5.0	U			5
PW-Y	Fluorene	UG/L	5.0	U			5
PW-Y	Hexachlorobenzene	UG/L	5.0	U			5
PW-Y	Hexachlorobutadiene	UG/L	5.0	U			5
PW-Y	Hexachlorocyclopentadiene	UG/L	5.0	U			5
PW-Y	Hexachloroethane	UG/L	5.0	U			5
PW-Y	Indeno(1,2,3-cd)pyrene	UG/L	5.0	U			5
PW-Y	Isophorone	UG/L	5.0	U			5
PW-Y	N-Nitroso-di-n-propylamine	UG/L	5.0	U			5
PW-Y	N-Nitrosodiphenylamine	UG/L	5.0	U			5
PW-Y	Naphthalene	UG/L	5.0	U			5
PW-Y	Nitrobenzene	UG/L	5.0	U			5
PW-Y	Pentachlorophenol	UG/L	20	U			18
PW-Y	Phenanthrene	UG/L	5.0	U			5
PW-Y	Phenol	UG/L	5.0	U			5
PW-Y	Pyrene	UG/L	5.0	U			5

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Comparison of Current Results to Baseline Detections
September 2000
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detect during Baseline	Current Event			
				Result	LQ	DQ	Detect Limit
PW-A	4,4'-DDD	UG/L	0.02	U			0.1
PW-A	4,4'-DDE	UG/L	0.02	U			0.1
PW-A	4,4'-DDT	UG/L	0.02	U			0.1
PW-A	Aldrin	UG/L	0.01	U			0.05
PW-A	alpha-BHC	UG/L	0.01	U			0.05
PW-A	alpha-Chlordane	UG/L	0.01	U			0.05
PW-A	Aroclor-1016	UG/L	0.20	U			1
PW-A	Aroclor-1221	UG/L	0.40	U			2
PW-A	Aroclor-1232	UG/L	0.20	U			1
PW-A	Aroclor-1242	UG/L	0.20	U			1
PW-A	Aroclor-1248	UG/L	0.20	U			1
PW-A	Aroclor-1254	UG/L	0.20	U			1
PW-A	Aroclor-1260	UG/L	0.20	U			1
PW-A	beta-BHC	UG/L	0.01	U			0.05
PW-A	delta-BHC	UG/L	0.01	U			0.05
PW-A	Dieldrin	UG/L	0.02	U			0.1
PW-A	Endosulfan I	UG/L	0.01	U			0.05
PW-A	Endosulfan II	UG/L	0.02	U			0.1
PW-A	Endosulfan sulfate	UG/L	0.02	U			0.1
PW-A	Endrin	UG/L	0.02	U			0.1
PW-A	Endrin aldehyde	UG/L	0.02	U			0.1
PW-A	Endrin ketone	UG/L	0.02	U			0.1
PW-A	gamma-BHC	UG/L	0.01	U			0.05
PW-A	gamma-Chlordane	UG/L	0.01	U			0.05
PW-A	Heptachlor	UG/L	0.01	U			0.05
PW-A	Heptachlor epoxide	UG/L	0.01	U			0.05
PW-A	Methoxychlor	UG/L	0.10	U			0.5
PW-A	Toxaphene	UG/L	1.0	U			5
PW-B	4,4'-DDD	UG/L	0.02	U			0.1
PW-B	4,4'-DDE	UG/L	0.02	U			0.1
PW-B	4,4'-DDT	UG/L	0.02	U			0.1
PW-B	Aldrin	UG/L	0.01	U			0.05
PW-B	alpha-BHC	UG/L	0.01	U			0.05
PW-B	alpha-Chlordane	UG/L	0.01	U			0.05
PW-B	Aroclor-1016	UG/L	0.20	U			1
PW-B	Aroclor-1221	UG/L	0.40	U			2
PW-B	Aroclor-1232	UG/L	0.20	U			1
PW-B	Aroclor-1242	UG/L	0.20	U			1
PW-B	Aroclor-1248	UG/L	0.20	U			1
PW-B	Aroclor-1254	UG/L	0.20	U			1
PW-B	Aroclor-1260	UG/L	0.20	U			1
PW-B	beta-BHC	UG/L	0.01	U			0.05
PW-B	delta-BHC	UG/L	0.01	U			0.05
PW-B	Dieldrin	UG/L	0.02	U			0.1
PW-B	Endosulfan I	UG/L	0.01	U			0.05
PW-B	Endosulfan II	UG/L	0.02	U			0.1

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Comparison of Current Results to Baseline Detections
September 2000
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detect during Baseline	Current Event			
				Result	LQ	DQ	Detect Limit
PW-B	Endosulfan sulfate	UG/L	0.02		U		0.1
PW-B	Endrin	UG/L	0.02		U		0.1
PW-B	Endrin aldehyde	UG/L	0.02		U		0.1
PW-B	Endrin ketone	UG/L	0.02		U		0.1
PW-B	gamma-BHC	UG/L	0.01		U		0.05
PW-B	gamma-Chlordane	UG/L	0.01		U		0.05
PW-B	Heptachlor	UG/L	0.01		U		0.05
PW-B	Heptachlor epoxide	UG/L	0.01		U		0.05
PW-B	Methoxychlor	UG/L	0.10		U		0.5
PW-B	Toxaphene	UG/L	1.0		U		5
PW-C	4,4'-DDD	UG/L	0.02		U		0.1
PW-C	4,4'-DDE	UG/L	0.02		U		0.1
PW-C	4,4'-DDT	UG/L	0.02		U		0.1
PW-C	Aldrin	UG/L	0.01		U		0.05
PW-C	alpha-BHC	UG/L	0.01		U		0.05
PW-C	alpha-Chlordane	UG/L	0.01		U		0.05
PW-C	Aroclor-1016	UG/L	0.20		U		1
PW-C	Aroclor-1221	UG/L	0.40		U		2
PW-C	Aroclor-1232	UG/L	0.20		U		1
PW-C	Aroclor-1242	UG/L	0.20		U		1
PW-C	Aroclor-1248	UG/L	0.20		U		1
PW-C	Aroclor-1254	UG/L	0.20		U		1
PW-C	Aroclor-1260	UG/L	0.20		U		1
PW-C	beta-BHC	UG/L	0.01		U		0.05
PW-C	delta-BHC	UG/L	0.01		U		0.05
PW-C	Dieldrin	UG/L	0.02		U		0.1
PW-C	Endosulfan I	UG/L	0.01		U		0.05
PW-C	Endosulfan II	UG/L	0.02		U		0.1
PW-C	Endosulfan sulfate	UG/L	0.02		U		0.1
PW-C	Endrin	UG/L	0.02		U		0.1
PW-C	Endrin aldehyde	UG/L	0.02		U		0.1
PW-C	Endrin ketone	UG/L	0.02		U		0.1
PW-C	gamma-BHC	UG/L	0.01		U		0.05
PW-C	gamma-Chlordane	UG/L	0.01		U		0.05
PW-C	Heptachlor	UG/L	0.01		U		0.05
PW-C	Heptachlor epoxide	UG/L	0.01		U		0.05
PW-C	Methoxychlor	UG/L	0.10		U		0.5
PW-C	Toxaphene	UG/L	1.0		U		5
PW-D	4,4'-DDD	UG/L	0.02		U		0.1
PW-D	4,4'-DDE	UG/L	0.02		U		0.1
PW-D	4,4'-DDT	UG/L	0.02		U		0.1
PW-D	Aldrin	UG/L	0.01		U		0.05
PW-D	alpha-BHC	UG/L	0.01		U		0.05
PW-D	alpha-Chlordane	UG/L	0.01		U		0.05
PW-D	Aroclor-1016	UG/L	0.20		U		1
PW-D	Aroclor-1221	UG/L	0.40		U		2

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Comparison of Current Results to Baseline Detections
September 2000
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detect during Baseline	Current Event			
				Result	LQ	DQ	Detect Limit
PW-D	Aroclor-1232	UG/L	0.20		U		1
PW-D	Aroclor-1242	UG/L	0.20		U		1
PW-D	Aroclor-1248	UG/L	0.20		U		1
PW-D	Aroclor-1254	UG/L	0.20		U		1
PW-D	Aroclor-1260	UG/L	0.20		U		1
PW-D	beta-BHC	UG/L	0.01		U		0.05
PW-D	delta-BHC	UG/L	0.01		U		0.05
PW-D	Dieldrin	UG/L	0.02		U		0.1
PW-D	Endosulfan I	UG/L	0.01		U		0.05
PW-D	Endosulfan II	UG/L	0.02		U		0.1
PW-D	Endosulfan sulfate	UG/L	0.02		U		0.1
PW-D	Endrin	UG/L	0.02		U		0.1
PW-D	Endrin aldehyde	UG/L	0.02		U		0.1
PW-D	Endrin ketone	UG/L	0.02		U		0.1
PW-D	gamma-BHC	UG/L	0.01		U		0.05
PW-D	gamma-Chlordane	UG/L	0.01		U		0.05
PW-D	Heptachlor	UG/L	0.01		U		0.05
PW-D	Heptachlor epoxide	UG/L	0.01		U		0.05
PW-D	Methoxychlor	UG/L	0.10		U		0.5
PW-D	Toxaphene	UG/L	1.0		U		5
PW-Y	4,4'-DDD	UG/L	NA		U		0.1
PW-Y	4,4'-DDE	UG/L	NA		U		0.1
PW-Y	4,4'-DDT	UG/L	NA		U		0.1
PW-Y	Aldrin	UG/L	NA		U		0.05
PW-Y	alpha-BHC	UG/L	NA		U		0.05
PW-Y	alpha-Chlordane	UG/L	NA		U		0.05
PW-Y	Aroclor-1016	UG/L	NA		U		1
PW-Y	Aroclor-1221	UG/L	NA		U		2
PW-Y	Aroclor-1232	UG/L	NA		U		1
PW-Y	Aroclor-1242	UG/L	NA		U		1
PW-Y	Aroclor-1248	UG/L	NA		U		1
PW-Y	Aroclor-1254	UG/L	NA		U		1
PW-Y	Aroclor-1260	UG/L	NA		U		1
PW-Y	beta-BHC	UG/L	NA		U		0.05
PW-Y	delta-BHC	UG/L	NA		U		0.05
PW-Y	Dieldrin	UG/L	NA		U		0.1
PW-Y	Endosulfan I	UG/L	NA		U		0.05
PW-Y	Endosulfan II	UG/L	NA		U		0.1
PW-Y	Endosulfan sulfate	UG/L	NA		U		0.1
PW-Y	Endrin	UG/L	NA		U		0.1
PW-Y	Endrin aldehyde	UG/L	NA		U		0.1
PW-Y	Endrin ketone	UG/L	NA		U		0.1
PW-Y	gamma-BHC	UG/L	NA		U		0.05
PW-Y	gamma-Chlordane	UG/L	NA		U		0.05
PW-Y	Heptachlor	UG/L	NA		U		0.05
PW-Y	Heptachlor epoxide	UG/L	NA		U		0.05

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Comparison of Current Results to Baseline Detections
September 2000
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detect during Baseline	Current Event			
				Result	LQ	DQ	Detect Limit
PW-Y	Methoxychlor	UG/L	NA		U		0.5
PW-Y	Toxaphene	UG/L	NA		U		5

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Comparison of Current Results to Baseline Detections
September 2000
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detect during Baseline	Current Event			
				Result	LQ	DQ	Detect Limit
PW-A	Aluminum	UG/L	11		U		34.9
PW-A	Antimony	UG/L	1.0		U		1.9
PW-A	Arsenic	UG/L	2.0		U		3.4
PW-A	Barium	UG/L	119	130	B		200
PW-A	Beryllium	UG/L	1.0		U		0.1
PW-A	Cadmium	UG/L	1.0		U		0.3
PW-A	Calcium	UG/L	93,400	87,300			5,000
PW-A	Chromium (Total)	UG/L	1.0	0.78	B		10
PW-A	Cobalt	UG/L	1.0		U		0.5
PW-A	Copper	UG/L	4.8	2.3	B		25
PW-A	Cyanide (Total)	UG/L	10		U		0.8
PW-A	Iron	UG/L	2,870	2,060			100
PW-A	Lead	UG/L	1.0		U		2
PW-A	Magnesium	UG/L	43,500	44,400			5,000
PW-A	Manganese	UG/L	54	35.4			15
PW-A	Mercury	UG/L	0.20		U		0.1
PW-A	Nickel	UG/L	2.5		U		1
PW-A	Potassium	UG/L	1,860	2,340	BE		5,000
PW-A	Selenium	UG/L	2.0		U		5
PW-A	Silver	UG/L	1.0		U		0.6
PW-A	Sodium	UG/L	15,600	18,200			5,000
PW-A	Thallium	UG/L	3.0		U		4.9
PW-A	Vanadium	UG/L	1.0		U		0.5
PW-A	Zinc	UG/L	121	11.1	B		20
PW-B	Aluminum	UG/L	19		U		34.9
PW-B	Antimony	UG/L	1.0	2.6	B		60
PW-B	Arsenic	UG/L	2.0		U		3.4
PW-B	Barium	UG/L	121	123	B		200
PW-B	Beryllium	UG/L	1.0		U		0.1
PW-B	Cadmium	UG/L	1.0		U		0.3
PW-B	Calcium	UG/L	91,200	88,700			5,000
PW-B	Chromium (Total)	UG/L	1.0	0.51	B		10
PW-B	Cobalt	UG/L	1.0		U		0.5
PW-B	Copper	UG/L	2.3	2.1	B		25
PW-B	Cyanide (Total)	UG/L	10		U		0.8
PW-B	Iron	UG/L	2,170	3,290			100
PW-B	Lead	UG/L	1.0		U		2
PW-B	Magnesium	UG/L	42,700	40,800			5,000
PW-B	Manganese	UG/L	56	60.3			15
PW-B	Mercury	UG/L	0.20		U		0.1
PW-B	Nickel	UG/L	3.3		U		1
PW-B	Potassium	UG/L	1,760	1,660	BE		5,000
PW-B	Selenium	UG/L	2.0		U		5
PW-B	Silver	UG/L	1.0		U		0.6
PW-B	Sodium	UG/L	14,200	16,500			5,000

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Comparison of Current Results to Baseline Detections
September 2000
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detect during Baseline	Current Event			
				Result	LQ	DQ	Detect Limit
PW-B	Thallium	UG/L	3.0	5.2	B		10
PW-B	Vanadium	UG/L	1.0		U		0.5
PW-B	Zinc	UG/L	9.6	18	B		20
PW-C	Aluminum	UG/L	25		U		34.9
PW-C	Antimony	UG/L	1.0		U		1.9
PW-C	Arsenic	UG/L	2.0		U		3.4
PW-C	Barium	UG/L	166	167	B		200
PW-C	Beryllium	UG/L	1.0		U		0.1
PW-C	Cadmium	UG/L	1.0		U		0.3
PW-C	Calcium	UG/L	93,200	92,900			5,000
PW-C	Chromium (Total)	UG/L	1.0	0.71	B		10
PW-C	Cobalt	UG/L	1.0		U		0.5
PW-C	Copper	UG/L	32	1.8	B		25
PW-C	Cyanide (Total)	UG/L	10		U		0.8
PW-C	Iron	UG/L	3,030	2,830			100
PW-C	Lead	UG/L	1.9		U		2
PW-C	Magnesium	UG/L	53,700	52,200			5,000
PW-C	Manganese	UG/L	35	35.2			15
PW-C	Mercury	UG/L	0.20		U		0.1
PW-C	Nickel	UG/L	1.0		U		1
PW-C	Potassium	UG/L	2,730	2,620	BE		5,000
PW-C	Selenium	UG/L	2.0		U		5
PW-C	Silver	UG/L	1.0		U		0.6
PW-C	Sodium	UG/L	23,300	23,200			5,000
PW-C	Thallium	UG/L	3.0		U		4.9
PW-C	Vanadium	UG/L	1.0		U		0.5
PW-C	Zinc	UG/L	79	16.7	B		20
PW-D	Aluminum	UG/L	125		U		34.9
PW-D	Antimony	UG/L	1.0		U		1.9
PW-D	Arsenic	UG/L	2.0		U		3.4
PW-D	Barium	UG/L	157	150	B		200
PW-D	Beryllium	UG/L	1.0		U		0.1
PW-D	Cadmium	UG/L	1.1		U		0.3
PW-D	Calcium	UG/L	96,800	95,000			5,000
PW-D	Chromium (Total)	UG/L	1.0	15	B		10
PW-D	Cobalt	UG/L	1.0		U		0.5
PW-D	Copper	UG/L	155	4	B		25
PW-D	Cyanide (Total)	UG/L	10		U		0.8
PW-D	Iron	UG/L	3,190	2,400			100
PW-D	Lead	UG/L	23		U		2
PW-D	Magnesium	UG/L	50,900	47,600			5,000
PW-D	Manganese	UG/L	48	36.3			15
PW-D	Mercury	UG/L	0.20		U		0.1
PW-D	Nickel	UG/L	4.3		U		1
PW-D	Potassium	UG/L	2,660	2,400	BE		5,000

BOLD = Exceedance

NA = Not Applicable

Comparison of Current Results to Baseline Detections
September 2000
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detect during Baseline	Current Event			
				Result	LQ	DQ	Detect Limit
PW-D	Selenium	UG/L	2.0		U		5
PW-D	Silver	UG/L	1.0		U		0.6
PW-D	Sodium	UG/L	24,100	20,900			5,000
PW-D	Thallium	UG/L	3.0		U		4.9
PW-D	Vanadium	UG/L	1.0		U		0.5
PW-D	Zinc	UG/L	1,580	1.4	B		20
PW-Y	Aluminum	UG/L	10		U		34.9
PW-Y	Antimony	UG/L	1.0		U		1.9
PW-Y	Arsenic	UG/L	2.0		U		3.4
PW-Y	Barium	UG/L	132	144	B		200
PW-Y	Beryllium	UG/L	1.0		U		0.1
PW-Y	Cadmium	UG/L	1.0		U		0.3
PW-Y	Calcium	UG/L	81,750	86,100			5,000
PW-Y	Chromium (Total)	UG/L	2.4		U		0.5
PW-Y	Cobalt	UG/L	1.0		U		0.5
PW-Y	Copper	UG/L	2.0	1.8	B		25
PW-Y	Cyanide (Total)	UG/L	10		U		0.8
PW-Y	Iron	UG/L	2,550	4,710			100
PW-Y	Lead	UG/L	1.0		U		2
PW-Y	Magnesium	UG/L	43,100	45,100			5,000
PW-Y	Manganese	UG/L	29	42.9			15
PW-Y	Mercury	UG/L	0.20		U		0.1
PW-Y	Nickel	UG/L	3.4		U		1
PW-Y	Potassium	UG/L	2,765	2,520	BE		5,000
PW-Y	Selenium	UG/L	2.1		U		5
PW-Y	Silver	UG/L	1.0		U		0.6
PW-Y	Sodium	UG/L	23,300	23,200			5,000
PW-Y	Thallium	UG/L	2.3	5.4	B		10
PW-Y	Vanadium	UG/L	1.0		U		0.5
PW-Y	Zinc	UG/L	25	25.8			20

BOLD = Exceedance

NA = Not Applicable



APPENDIX B

TIME TREND PLOTS

Upper Aquifer Monitoring Well: M-4S

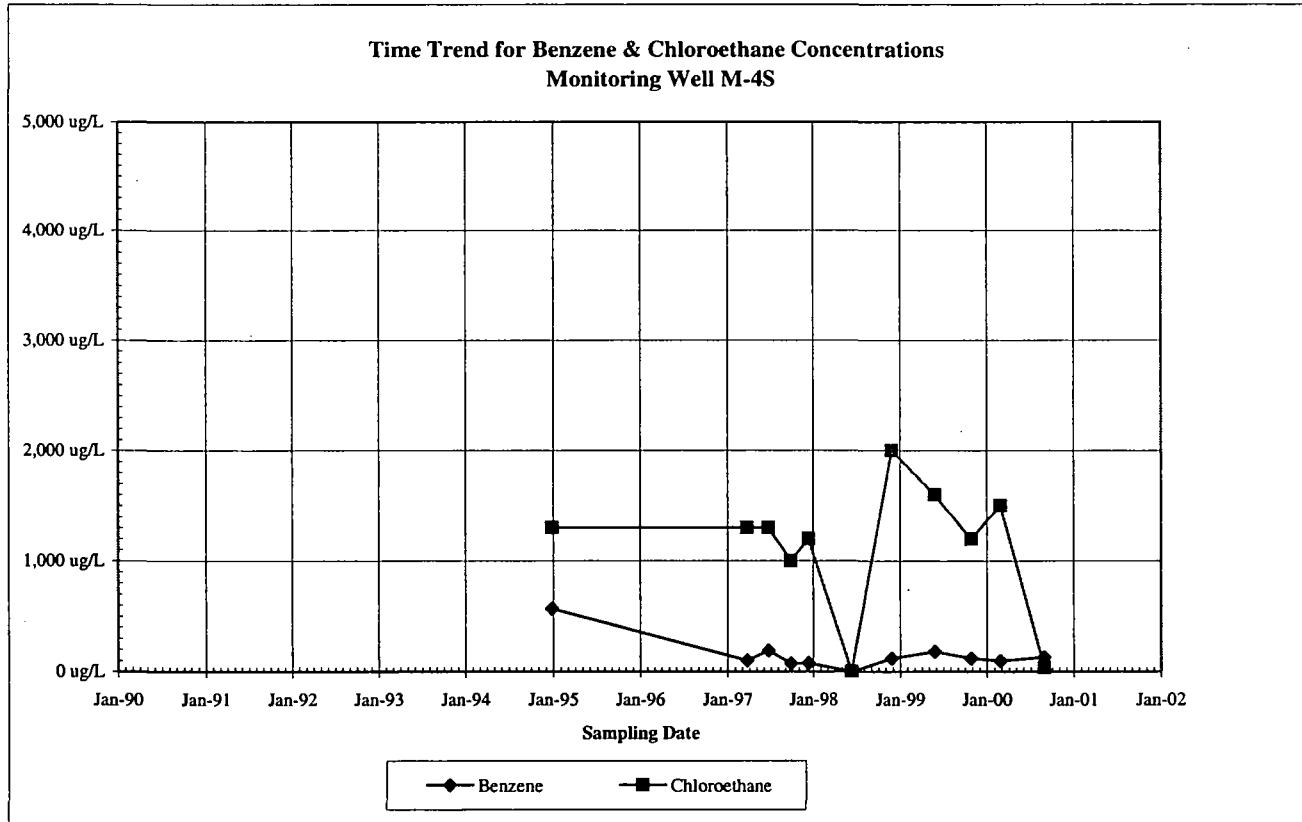
Baseline Groundwater Monitoring

ACS NPL Site

M-4S

Date	Benzene	Chloroethane
BASELINE	190	1300
January-95	570 ug/L	1,300 ug/L
March-97	98 ug/L	1,300 ug/L
June-97	190 ug/L	1,300 ug/L
October-97	73 ug/L	1,000 ug/L
December-97	75 ug/L	1,200 ug/L
June-98	BDL	BDL
December-98	120 ug/L	2,000 ug/L
June-99	180 ug/L	1,600 ug/L
November-99	120 ug/L	1,200 ug/L
March-00	96 ug/L	1,500 ug/L
September-00	130 ug/L	37 ug/L

BDL = Below the Detection Limit



Upper Aquifer Monitoring Well: MW6

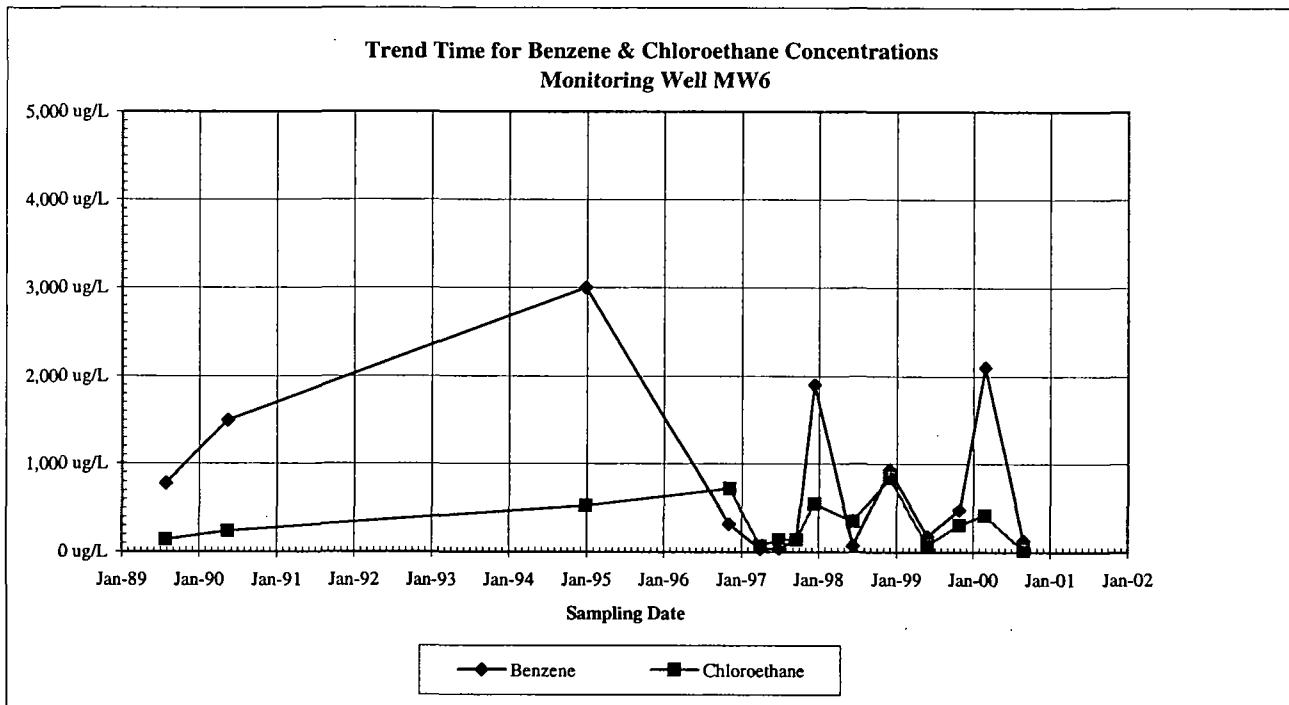
Baseline Groundwater Monitoring

ACS NPL Site

MW6

<u>Date</u>	<u>Benzene</u>	<u>Chloroethane</u>
BASELINE	320	720
August-89	780 ug/L	140 ug/L
May-90	1,500 ug/L	240 ug/L
December-94	3,000 ug/L	530 ug/L
November-96	320 ug/L	720 ug/L
April-97	35 ug/L	67 ug/L
July-97	39 ug/L	140 ug/L
September-97	140 ug/L	140 ug/L
December-97	1,900 ug/L	550 ug/L
June-98	72 ug/L	350 ug/L
December-98	930 ug/L	840 ug/L
June-99	180 ug/L	78 ug/L
November-99	480 ug/L	310 ug/L
March-00	2,100 ug/L	420 ug/L
September-00	130 ug/L	22 ug/L

BDL = Below the Detection Limit



Upper Aquifer Monitoring Well: MW11

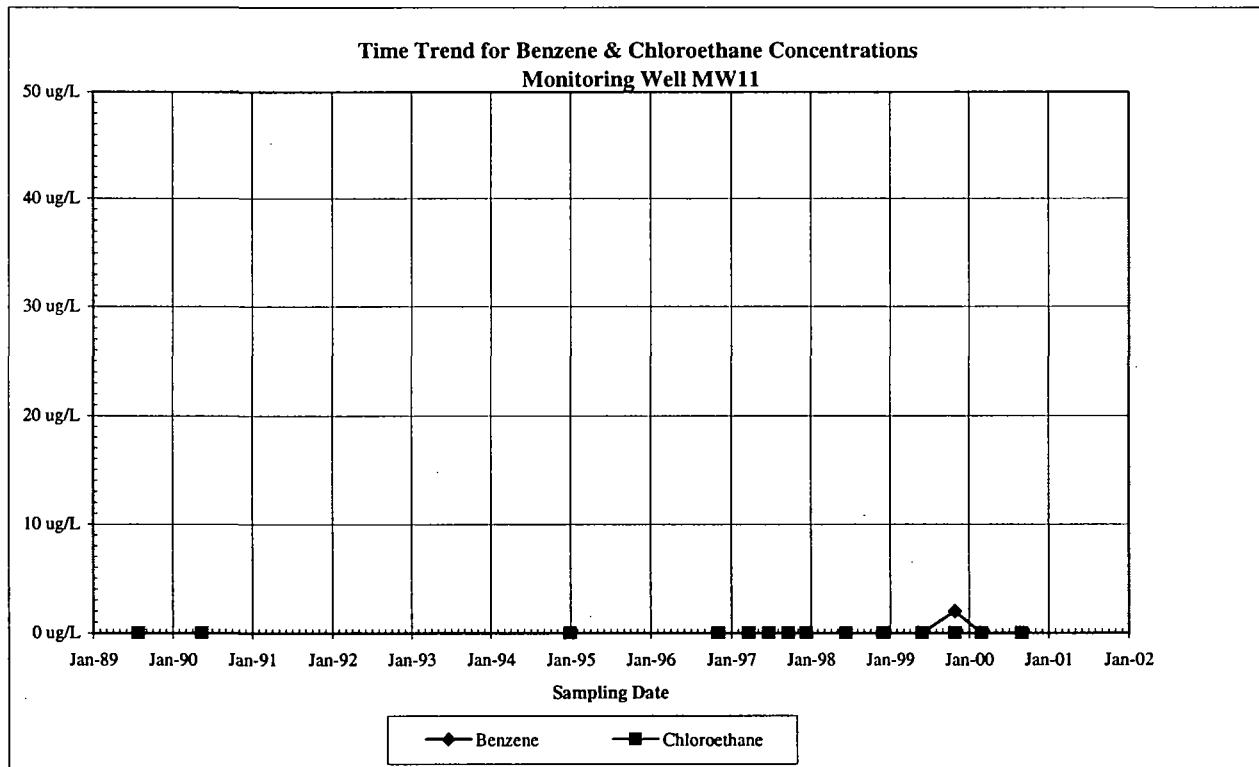
Baseline Groundwater Monitoring

ACS NPL Site

MW11

Date	Benzene	Chloroethane
Baseline	10	10
August-89	BDL	BDL
May-90	BDL	BDL
January-95	BDL	BDL
November-96	BDL	BDL
March-97	BDL	BDL
June-97	BDL	BDL
September-97	BDL	BDL
December-97	BDL	BDL
June-98	BDL	BDL
December-98	BDL	BDL
June-99	BDL	BDL
November-99	2 ug/L	BDL
March-00	BDL	BDL
September-00	BDL	BDL

BDL = Below the Detection Limit



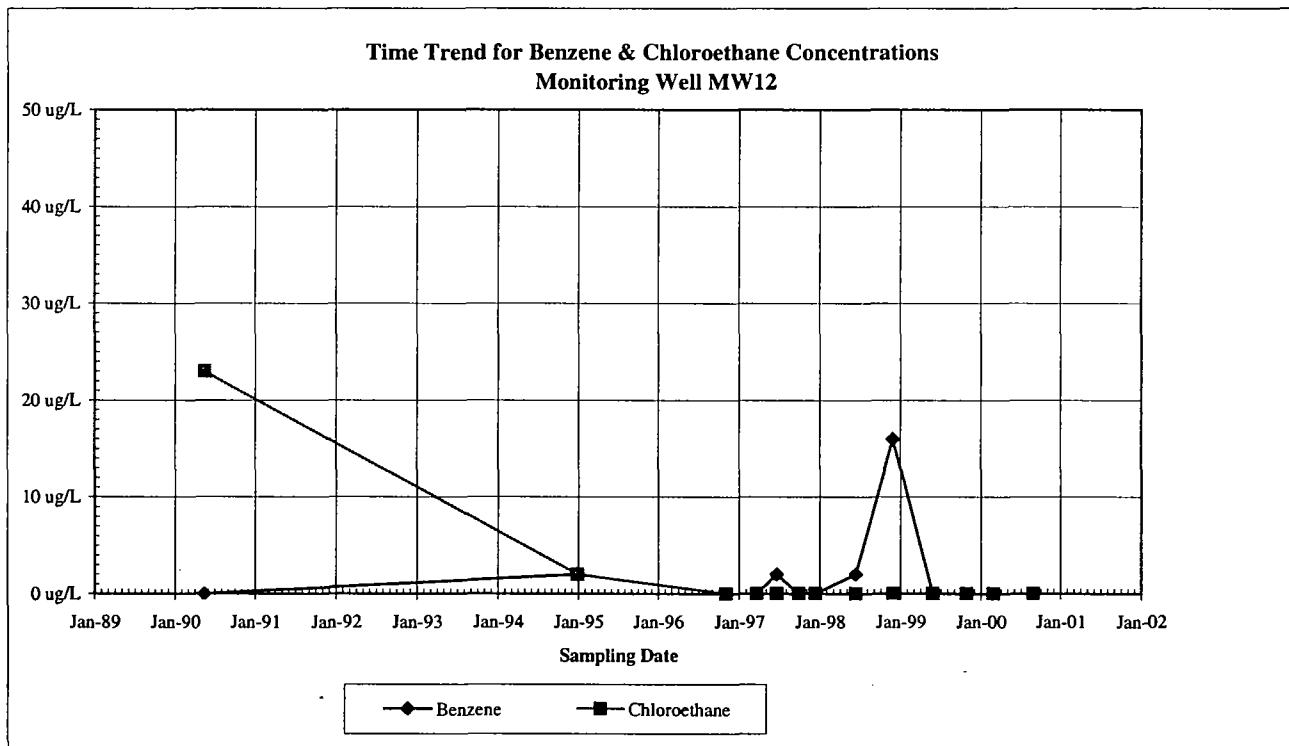
Upper Aquifer Monitoring Well: MW12

Baseline Groundwater Monitoring ACS NPL Site

MW12

Date	Benzene	Chloroethane
BASELINE	10	10
August-89		
May-90	BDL	23 ug/L
January-95	2 ug/L	2 ug/L
November-96	BDL	BDL
March-97	BDL	BDL
June-97	2 ug/L	BDL
October-97	BDL	BDL
December-97	BDL	BDL
June-98	2 ug/L	BDL
December-98	16 ug/L	BDL
June-99	BDL	BDL
November-99	BDL	BDL
March-00	BDL	BDL
September-00	BDL	BDL

BDL = Below the Detection Limit



Upper Aquifer Monitoring Well: MW13

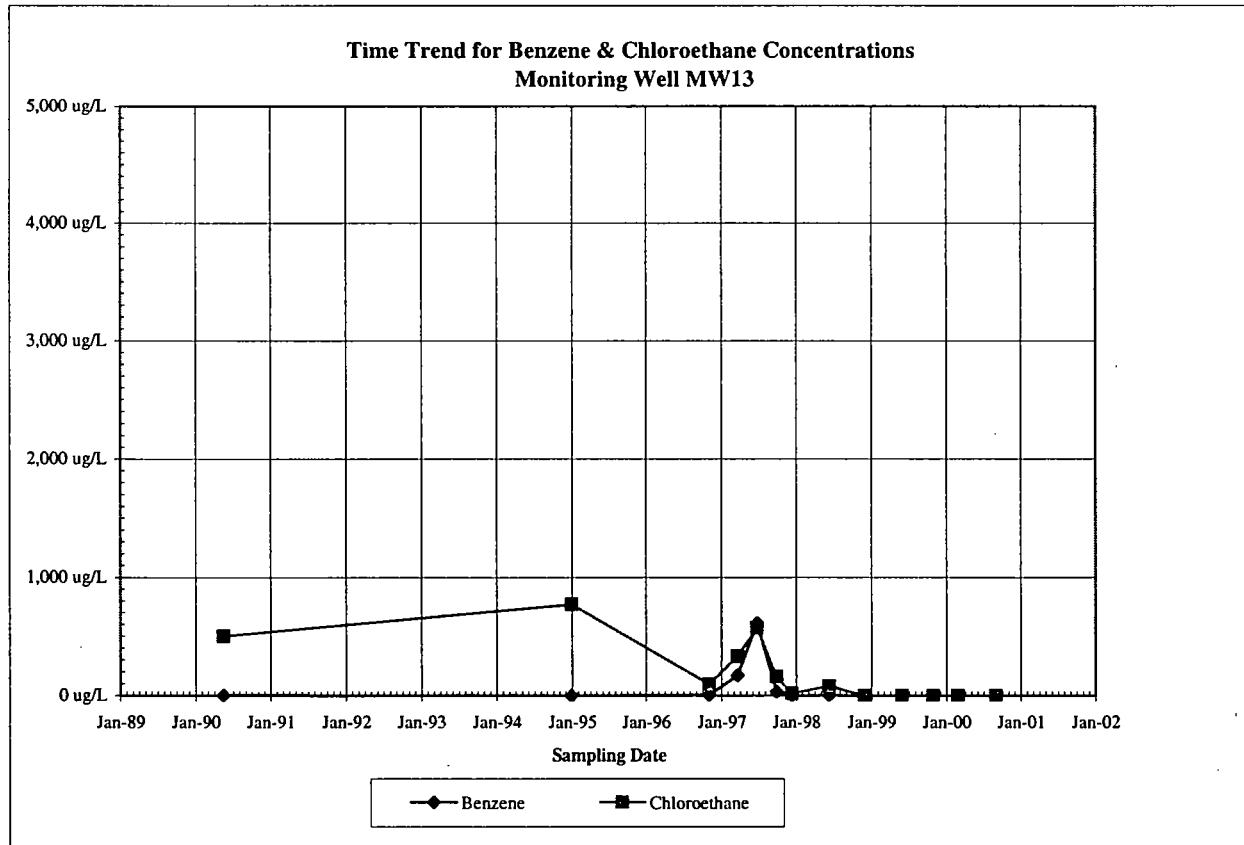
Baseline Groundwater Monitoring

ACS NPL Site

MW13

Date	Benzene	Chloroethane
Baseline	610	570
August-89		
May-90	2 ug/L	500 ug/L
January-95	BDL	770 ug/L
November-96	6 ug/L	97 ug/L
March-97	170 ug/L	330 ug/L
June-97	610 ug/L	570 ug/L
October-97	33 ug/L	160 ug/L
December-97	BDL	20 ug/L
June-98	2 ug/L	82 ug/L
December-98	BDL	BDL
June-99	BDL	BDL
November-99	BDL	BDL
March-00	BDL	BDL
September-00	BDL	BDL

BDL = Below the Detection Limit



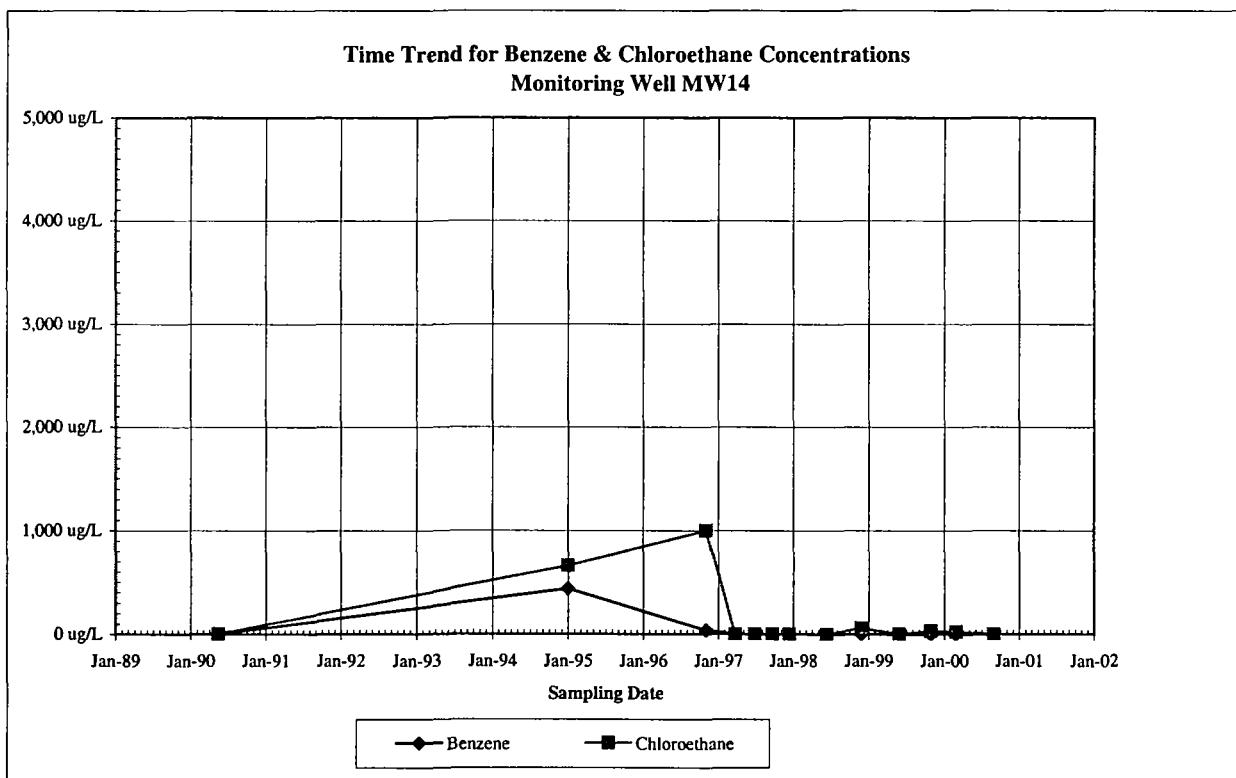
Upper Aquifer Monitoring Well: MW14

Baseline Groundwater Monitoring ACS NPL Site

MW14

Date	Benzene	Chloroethane
Baseline	41	1000
August-89		
May-90	2 ug/L	3 ug/L
January-95	440 ug/L	660 ug/L
November-96	41 ug/L	1,000 ug/L
March-97	BDL	BDL
June-97	1 ug/L	BDL
September-97	BDL	BDL
December-97	BDL	BDL
June-98	BDL	BDL
December-98	BDL	59 ug/L
June-99	BDL	BDL
November-99	2 ug/L	32 ug/L
March-00	2 ug/L	26 ug/L
September-00	BDL	BDL

BDL = Below the Detection Limit



Upper Aquifer Monitoring Well: MW15

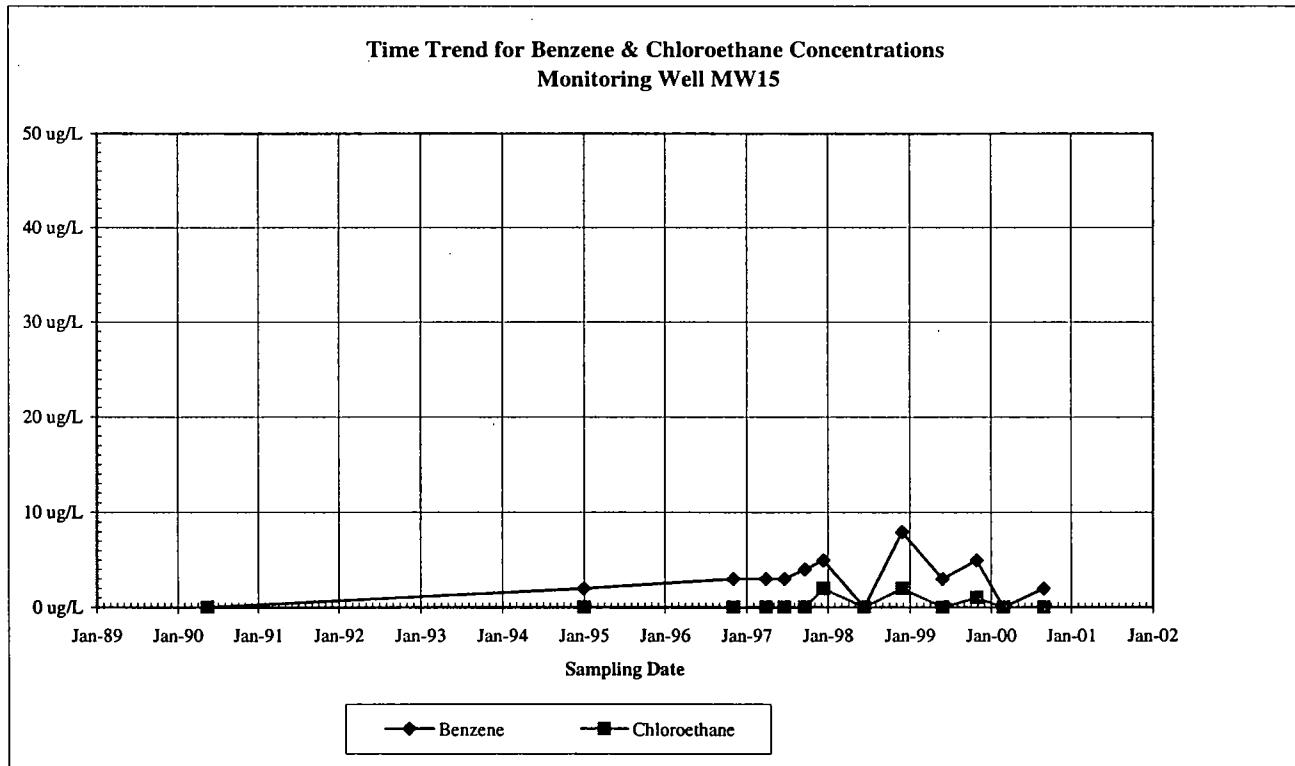
Baseline Groundwater Monitoring

ACS NPL Site

MW15

Date	Benzene	Chloroethane
BASELINE	10	10
August-89		
May-90	BDL	BDL
January-95	2 ug/L	BDL
November-96	3 ug/L	BDL
April-97	3 ug/L	BDL
June-97	3 ug/L	BDL
September-97	4 ug/L	BDL
December-97	5 ug/L	2 ug/L
June-98	BDL	BDL
December-98	8 ug/L	2 ug/L
June-99	3 ug/L	BDL
November-99	5 ug/L	1 ug/L
March-00	BDL	BDL
September-00	2	BDL

BDL = Below the Detection Limit



Upper Aquifer Monitoring Well: MW18

Baseline Groundwater Monitoring

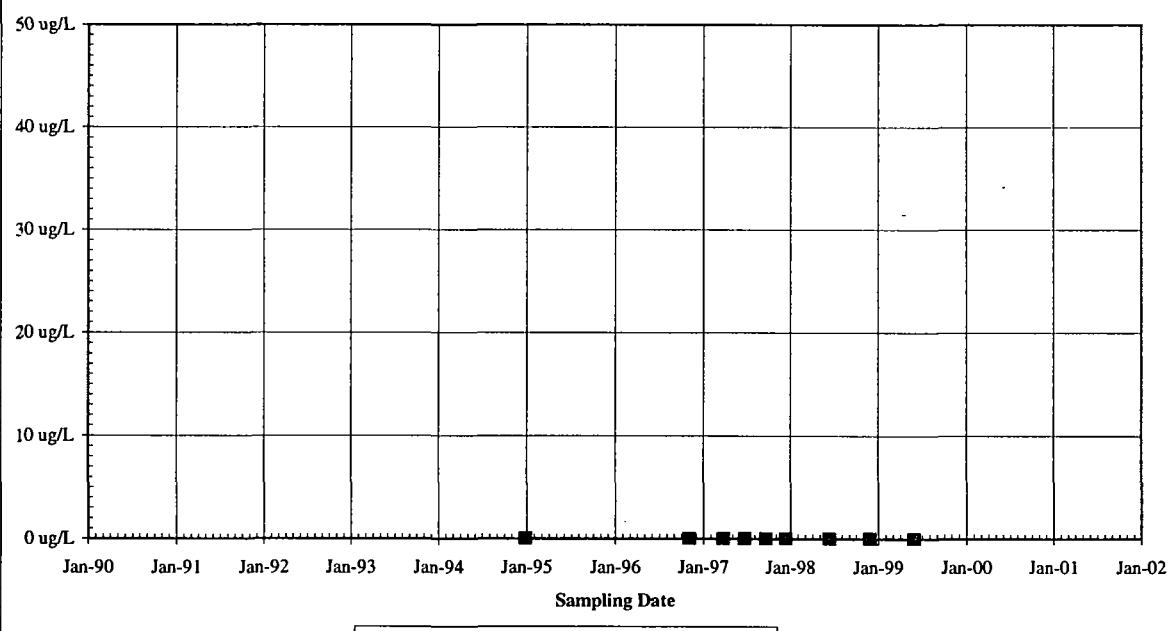
ACS NPL Site

MW18

Date	Benzene	Chloroethane
BASELINE	10	10
August-89		
May-90		
December-94	BDL	BDL
November-96	BDL	BDL
March-97	BDL	BDL
June-97	BDL	BDL
September-97	BDL	BDL
December-97	BDL	BDL
June-98	BDL	BDL
December-98	BDL	BDL
June-99	BDL	BDL
November-99		Not Sampled - Dry
March-00		Not Sampled - Dry
September-00		Not Sampled - Dry

BDL = Below the Detection Limit

**Time Trend for Benzene & Chloroethane Concentrations
Monitoring Well MW18**



Upper Aquifer Monitoring Well: MW19

Baseline Groundwater Monitoring

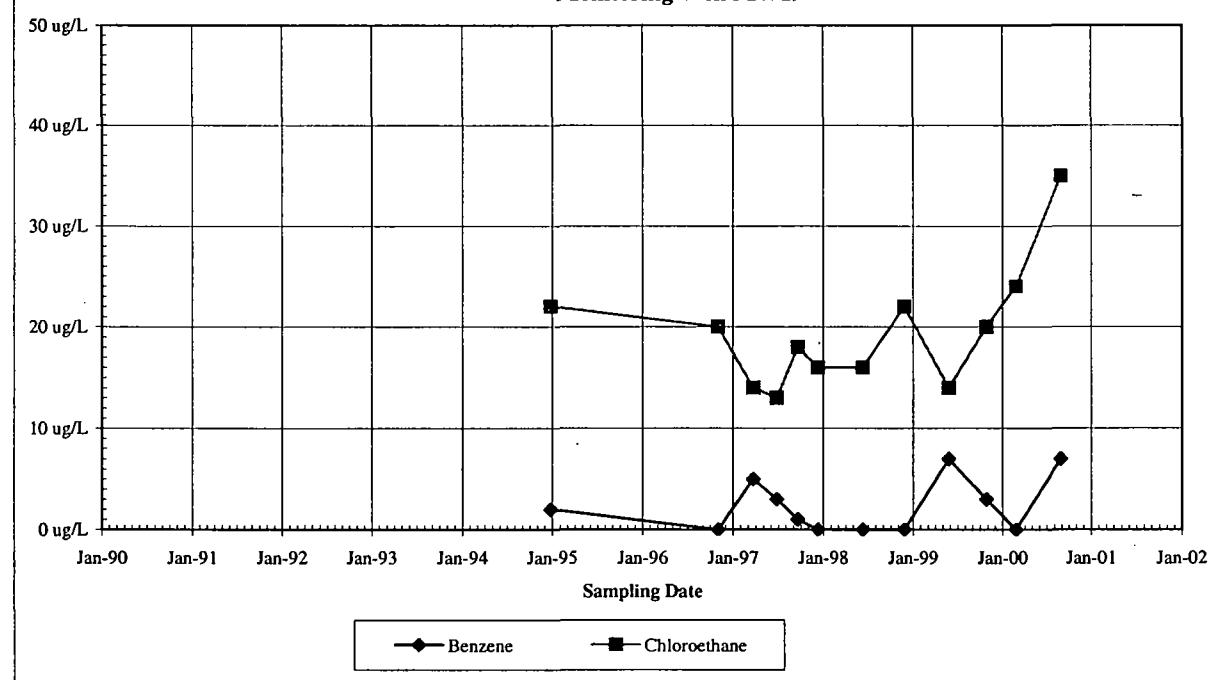
ACS NPL Site

MW19

Date	Benzene	Chloroethane
BASELINE	10	20
August-89		
May-90		
December-94	2 ug/L	22 ug/L
November-96	BDL	20 ug/L
March-97	5 ug/L	14 ug/L
June-97	3 ug/L	13 ug/L
September-97	1 ug/L	18 ug/L
December-97	BDL	16 ug/L
June-98	BDL	16 ug/L
December-98	BDL	22 ug/L
June-99	7 ug/L	14 ug/L
November-99	3 ug/L	20 ug/L
March-00	BDL	24 ug/L
September-00	7	35 ug/L

BDL = Below the Detection Limit

**Time Trend for Benzene & Chloroethane Concentrations
Monitoring Well MW19**



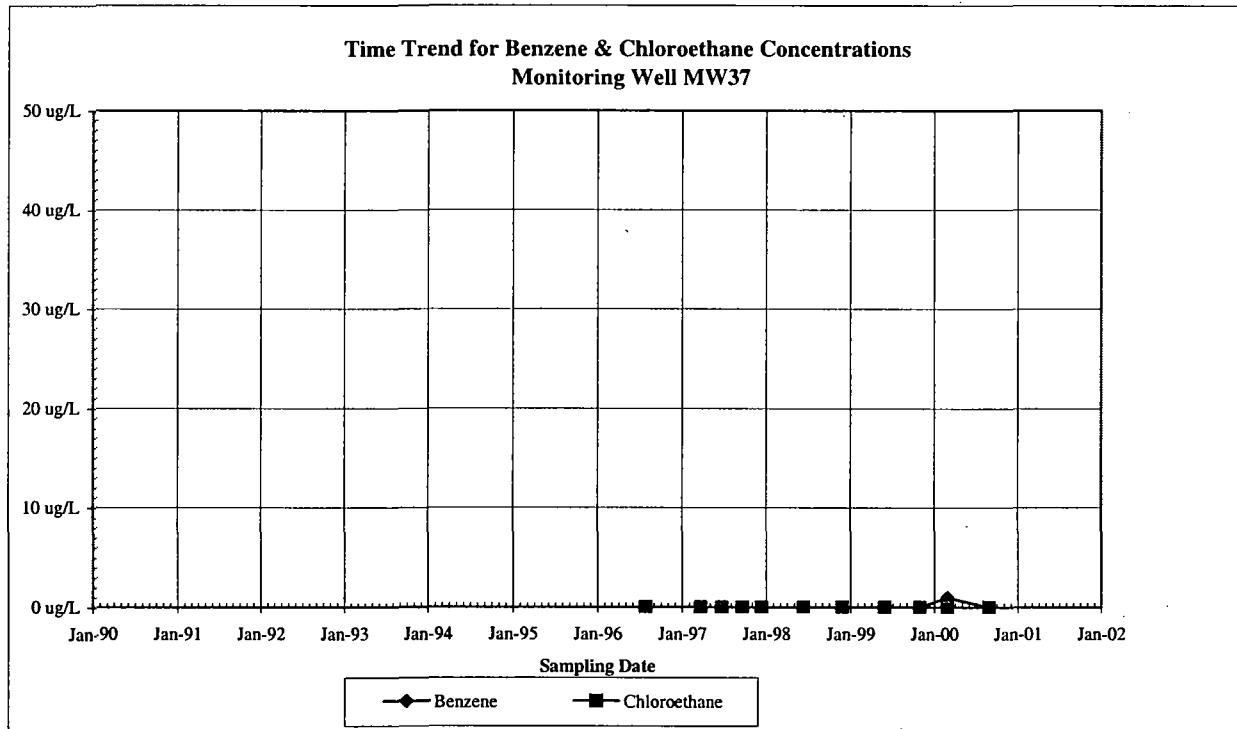
Upper Aquifer Monitoring Well: MW37

Baseline Groundwater Monitoring
ACS NPL Site

MW37

Date	Benzene	Chloroethane
Baseline	10	10
August-89		
May-90		
December-94		
August-96	BDL	BDL
March-97	BDL	BDL
June-97	BDL	BDL
September-97	BDL	BDL
December-97	BDL	BDL
June-98	BDL	BDL
December-98	BDL	BDL
June-99	BDL	BDL
November-99	BDL	BDL
March-00	1 ug/L	BDL
September-00	BDL	BDL

BDL = Below the Detection Limit



Upper Aquifer Monitoring Well: MW38

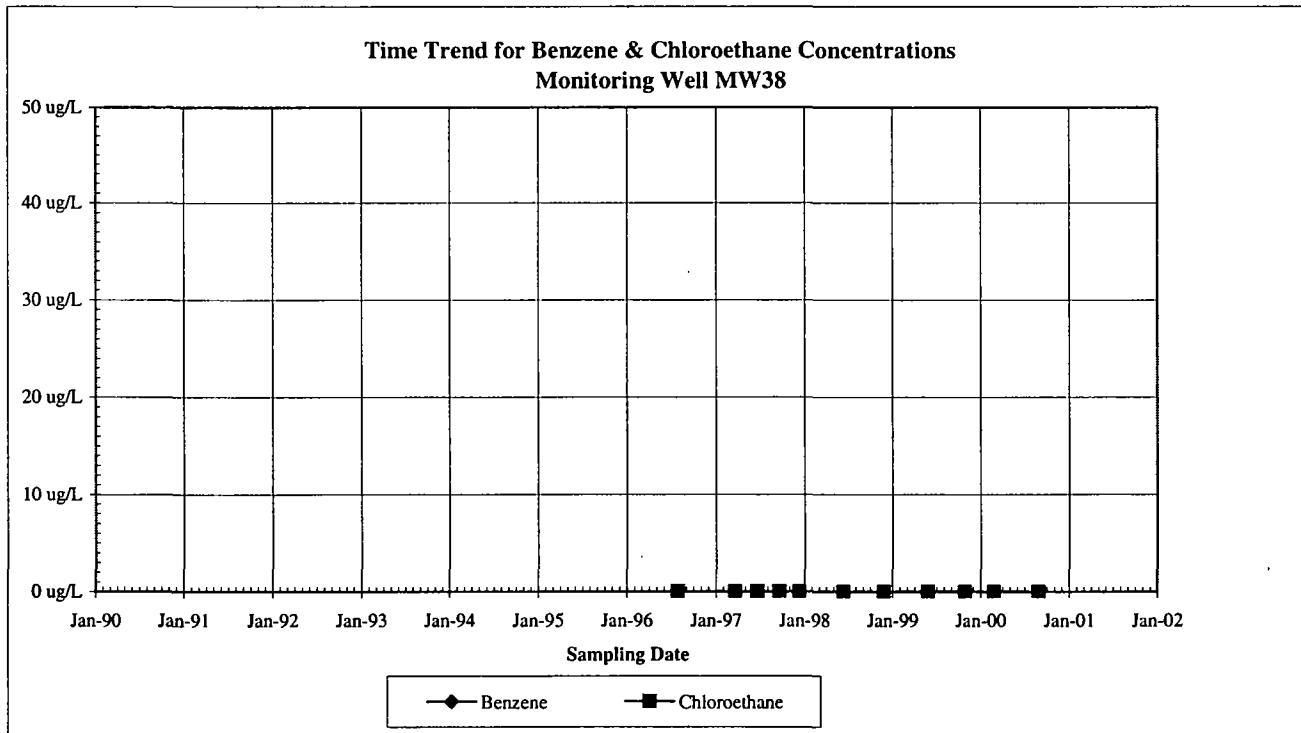
Baseline Groundwater Monitoring

ACS NPL Site

MW38

Date	Benzene	Chloroethane
Baseline	10	10
August-89		
May-90		
December-94		
August-96	BDL	BDL
March-97	BDL	BDL
June-97	BDL	BDL
September-97	BDL	BDL
December-97	BDL	BDL
June-98	BDL	BDL
December-98	BDL	BDL
June-99	BDL	BDL
November-99	BDL	BDL
March-00	BDL	BDL
September-00	BDL	BDL

BDL = Below the Detection Limit



Upper Aquifer Monitoring Well: MW39

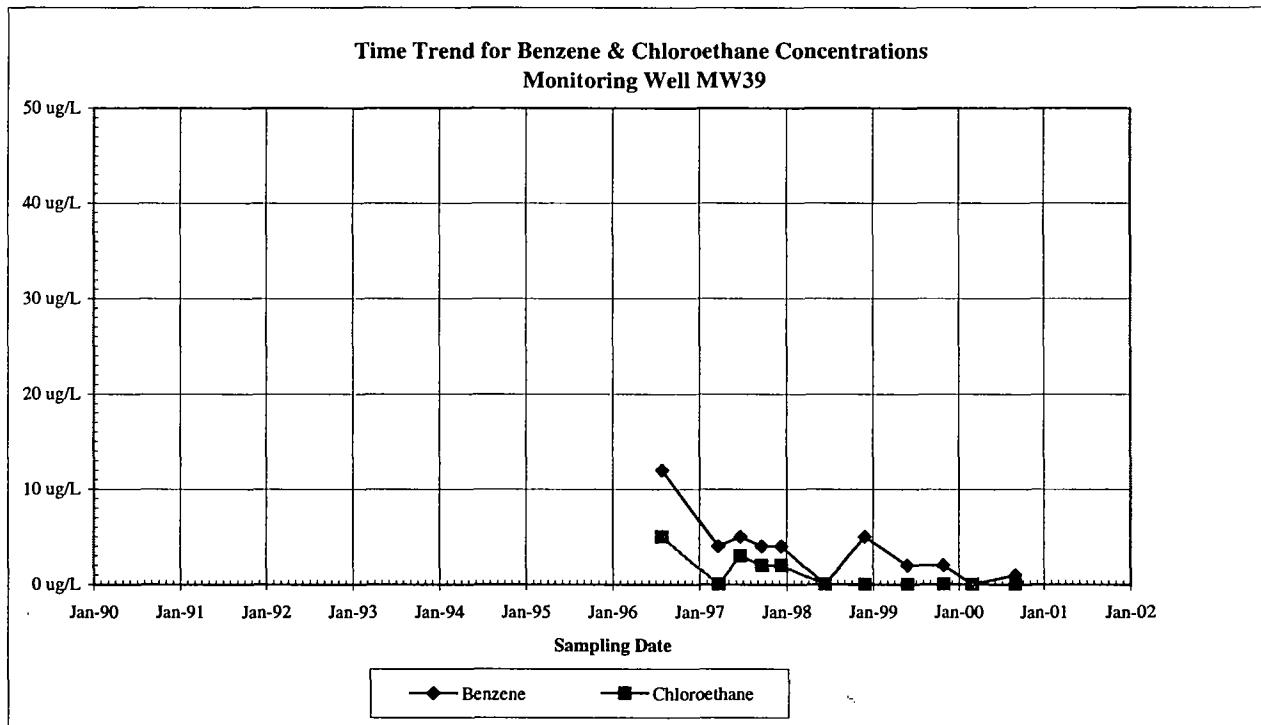
Baseline Groundwater Monitoring

ACS NPL Site

MW39

Date	Benzene	Chloroethane
Baseline	12	10
August-89		
May-90		
December-94		
August-96	12 ug/L	5 ug/L
March-97	4 ug/L	BDL
June-97	5 ug/L	3 ug/L
September-97	4 ug/L	2 ug/L
December-97	4 ug/L	2 ug/L
June-98	BDL	BDL
December-98	5 ug/L	BDL
June-99	2 ug/L	BDL
November-99	2 ug/L	BDL
March-00	BDL	BDL
September-00	1 ug/L	BDL

BDL = Below the Detection Limit



Upper Aquifer Monitoring Well: MW40

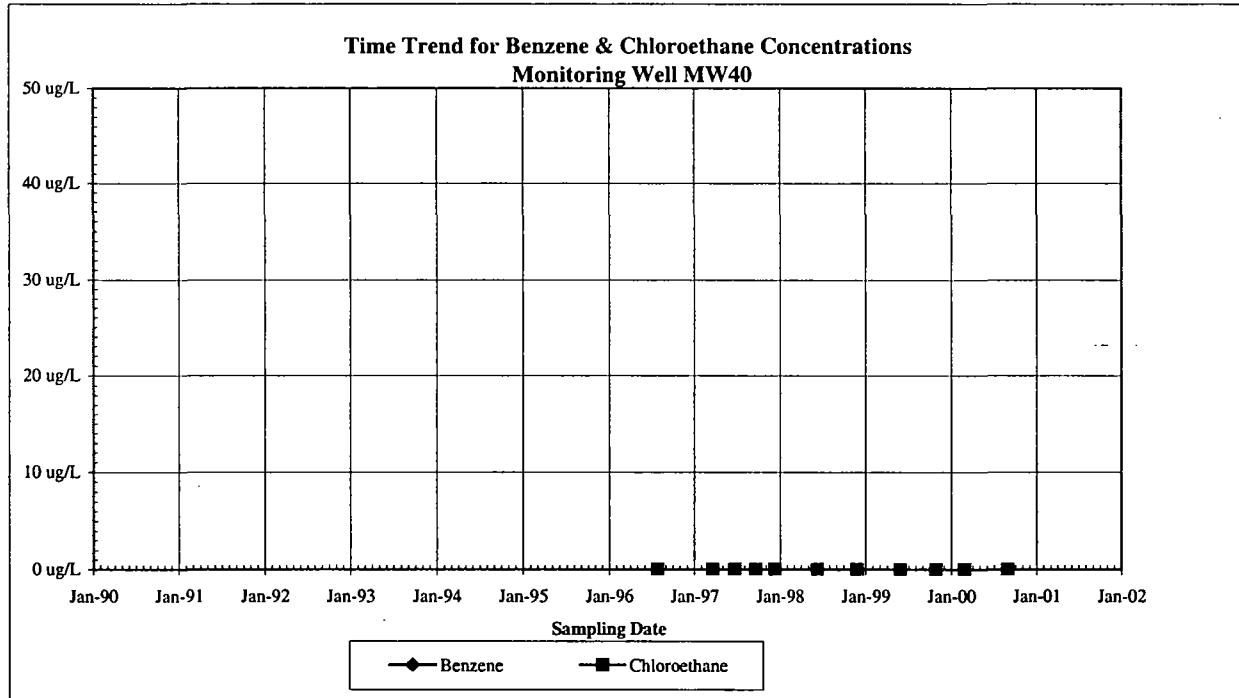
Baseline Groundwater Monitoring

ACS NPL Site

MW40

Date	Benzene	Chloroethane
Baseline	10	10
August-89		
May-90		
December-94		
August-96	BDL	BDL
March-97	BDL	BDL
June-97	BDL	BDL
September-97	BDL	BDL
December-97	BDL	BDL
June-98	BDL	BDL
December-98	BDL	BDL
June-99	BDL	BDL
November-99	BDL	BDL
March-00	BDL	BDL
September-00	BDL	BDL

BDL = Below the Detection Limit



Upper Aquifer Monitoring Well: MW41

Baseline Groundwater Monitoring

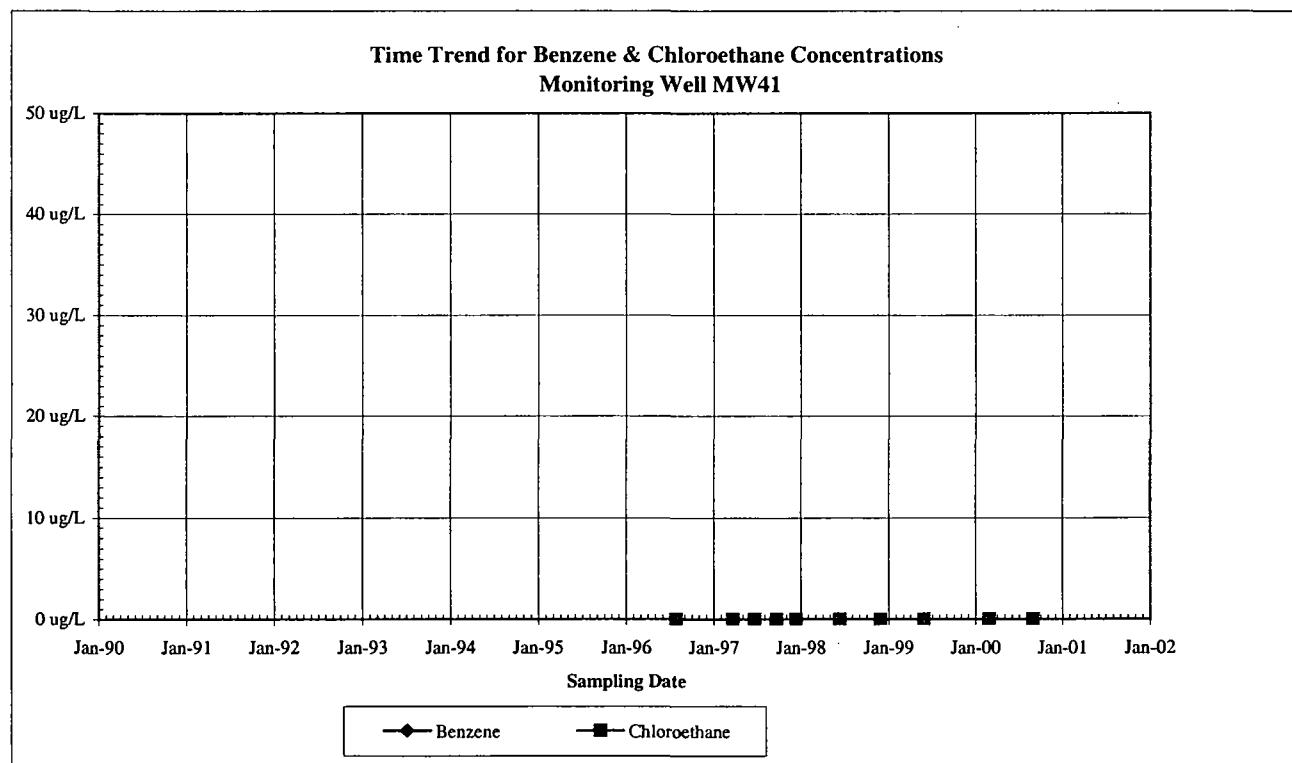
ACS NPL Site

MW41

<u>Date</u>	<u>Benzene</u>	<u>Chloroethane</u>
BASELINE	10	10
August-89		
May-90		
December-94		
August-96	BDL	BDL
March-97	BDL	BDL
June-97	BDL	BDL
September-97	BDL	BDL
December-97	BDL	BDL
June-98	BDL	BDL
December-98	BDL	BDL
June-99	BDL	BDL
November-99		
March-00	BDL	BDL
September-00	BDL	BDL

BDL = Below the Detection Limit

Not Sampled - Dry



Upper Aquifer Monitoring Well: MW42

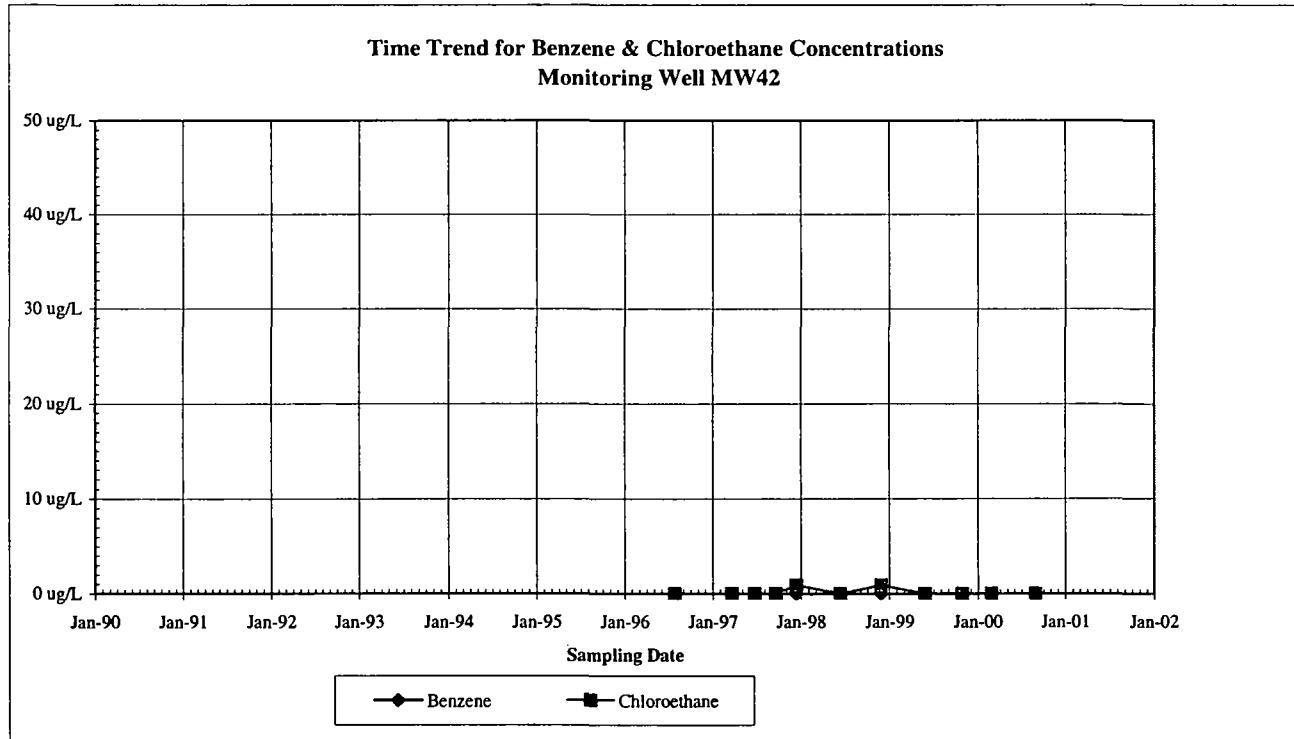
Baseline Groundwater Monitoring

ACS NPL Site

MW42

Date	Benzene	Chloroethane
BASELINE	10	10
August-89		
May-90		
December-94		
August-96	BDL	BDL
March-97	BDL	BDL
June-97	BDL	BDL
September-97	BDL	BDL
December-97	BDL	0.9 ug/L
June-98	BDL	BDL
December-98	BDL	0.9 ug/L
June-99	BDL	BDL
November-99	BDL	BDL
March-00	BDL	BDL
September-00	BDL	BDL

BDL = Below the Detection Limit



Upper Aquifer Monitoring Well: MW43

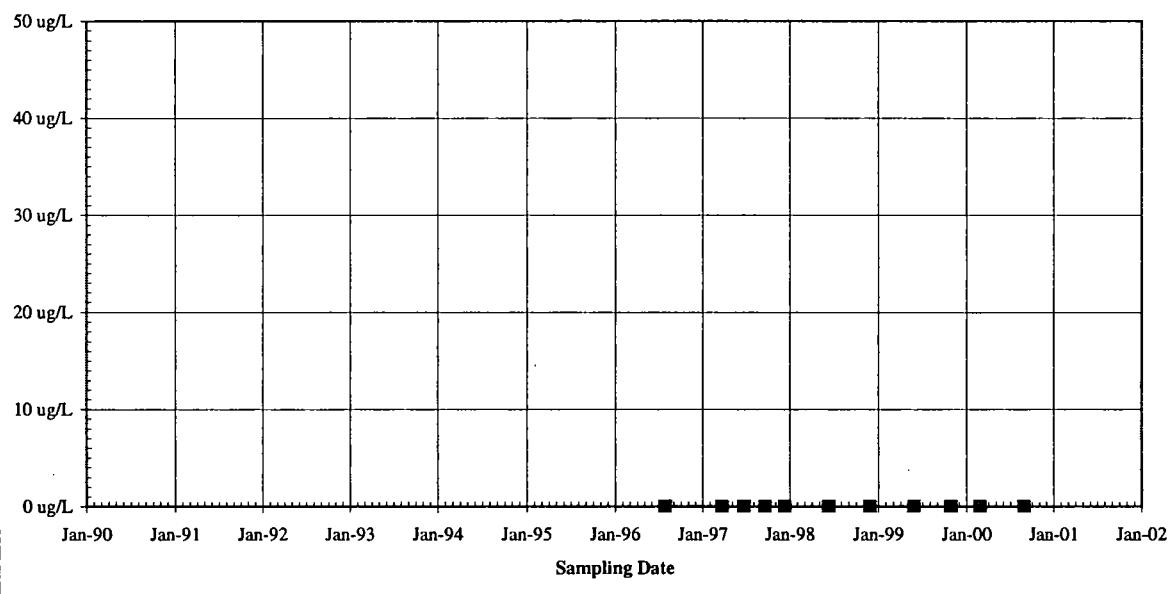
Baseline Groundwater Monitoring ACS NPL Site

MW43

Date	Benzene	Chloroethane
BASELINE	10	10
August-89		
May-90		
December-94		
August-96	BDL	BDL
March-97	BDL	BDL
June-97	BDL	BDL
September-97	BDL	BDL
December-97	BDL	BDL
June-98	BDL	BDL
December-98	BDL	BDL
June-99	BDL	BDL
November-99	BDL	BDL
March-00	BDL	BDL
September-00	BDL	BDL

BDL = Below the Detection Limit

**Time Trend for Benzene & Chloroethane Concentrations
Monitoring Well MW43**



Upper Aquifer Monitoring Well: MW44

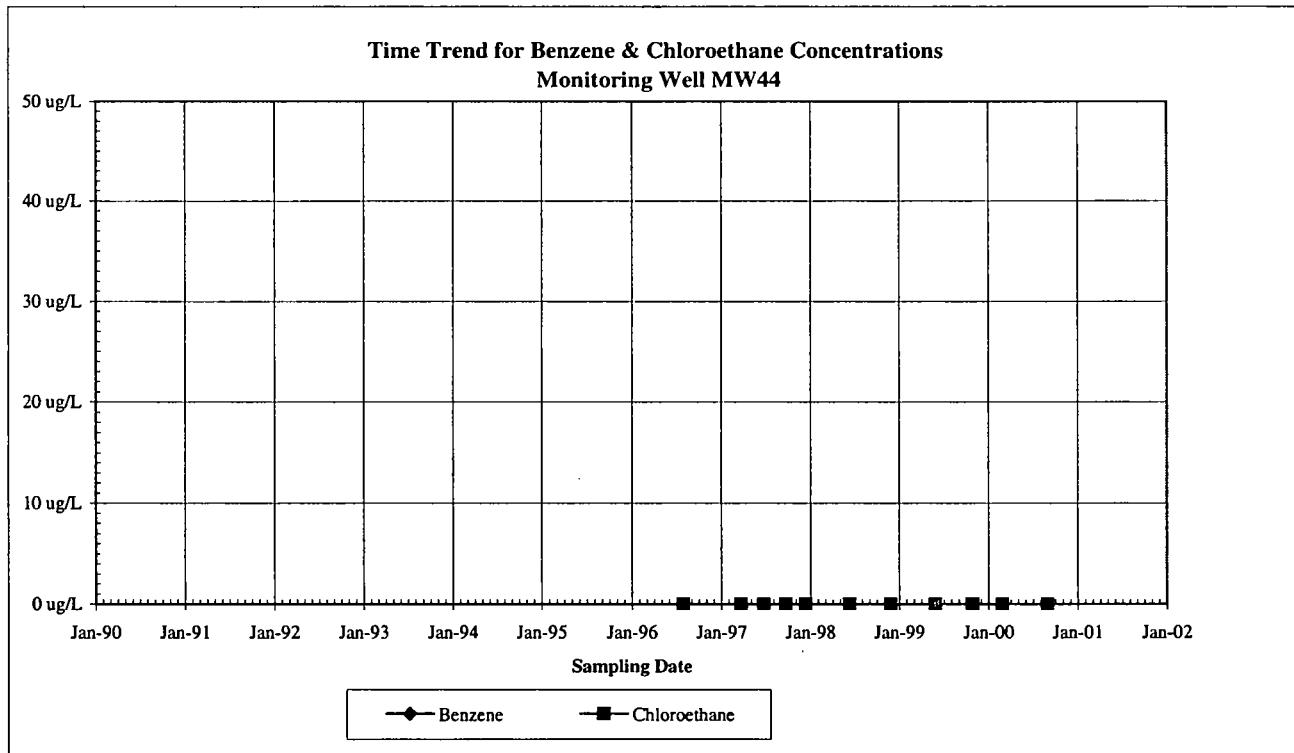
Baseline Groundwater Monitoring

ACS NPL Site

MW44

Date	Benzene	Chloroethane
BASELINE	10	10
August-89		
May-90		
December-94		
August-96	BDL	BDL
March-97	BDL	BDL
June-97	BDL	BDL
September-97	BDL	BDL
December-97	BDL	BDL
June-98	BDL	BDL
December-98	BDL	BDL
June-99	BDL	BDL
November-99	BDL	BDL
March-00	BDL	BDL
September-00	BDL	BDL

BDL = Below the Detection Limit



Upper Aquifer Monitoring Well: MW45

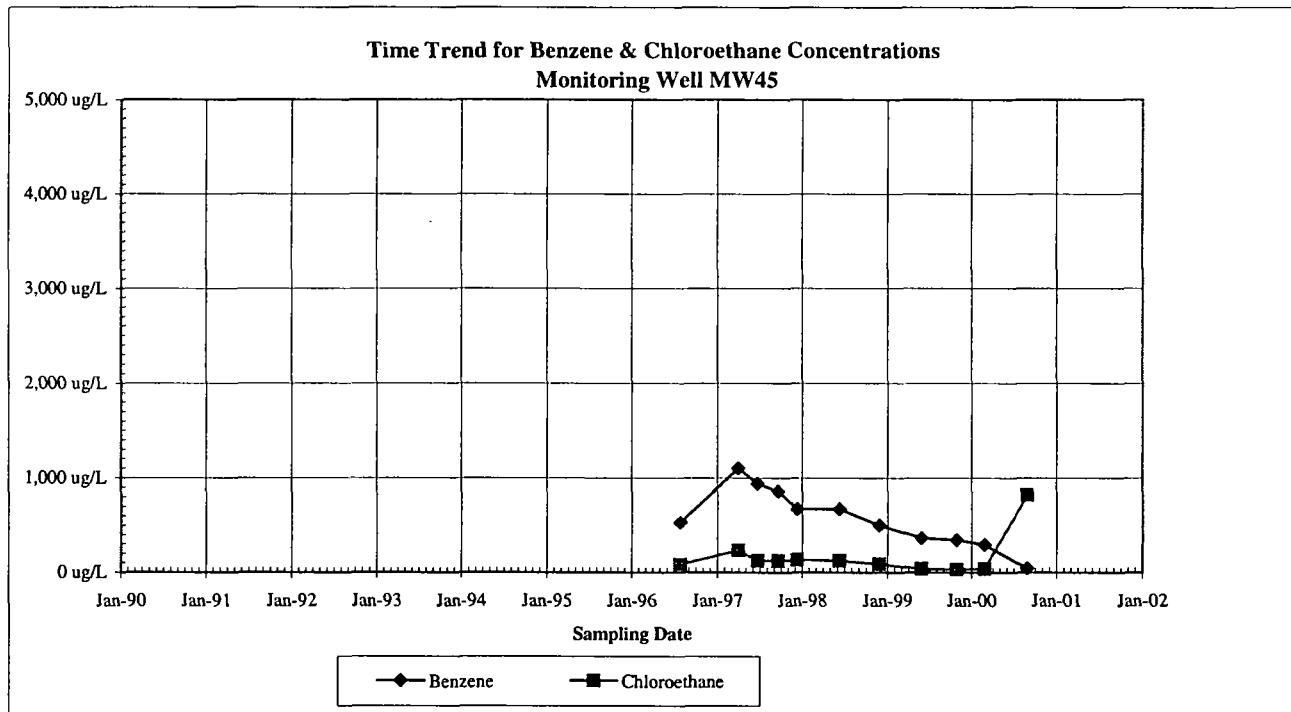
Baseline Groundwater Monitoring

ACS NPL Site

MW45

Date	Benzene	Chloroethane
BASELINE	1045	215
August-89		
May-90		
December-94		
August-96	530 ug/L	82 ug/L
April-97	1,100 ug/L	230 ug/L
June-97	940 ug/L	120 ug/L
September-97	860 ug/L	120 ug/L
December-97	670 ug/L	130 ug/L
June-98	670 ug/L	120 ug/L
December-98	500 ug/L	88 ug/L
June-99	360 ug/L	38 ug/L
November-99	340 ug/L	32 ug/L
March-00	290 ug/L	38 ug/L
September-00	43 ug/L	820 ug/L

BDL = Below the Detection Limit



Upper Aquifer Monitoring Well: MW46

Baseline Groundwater Monitoring

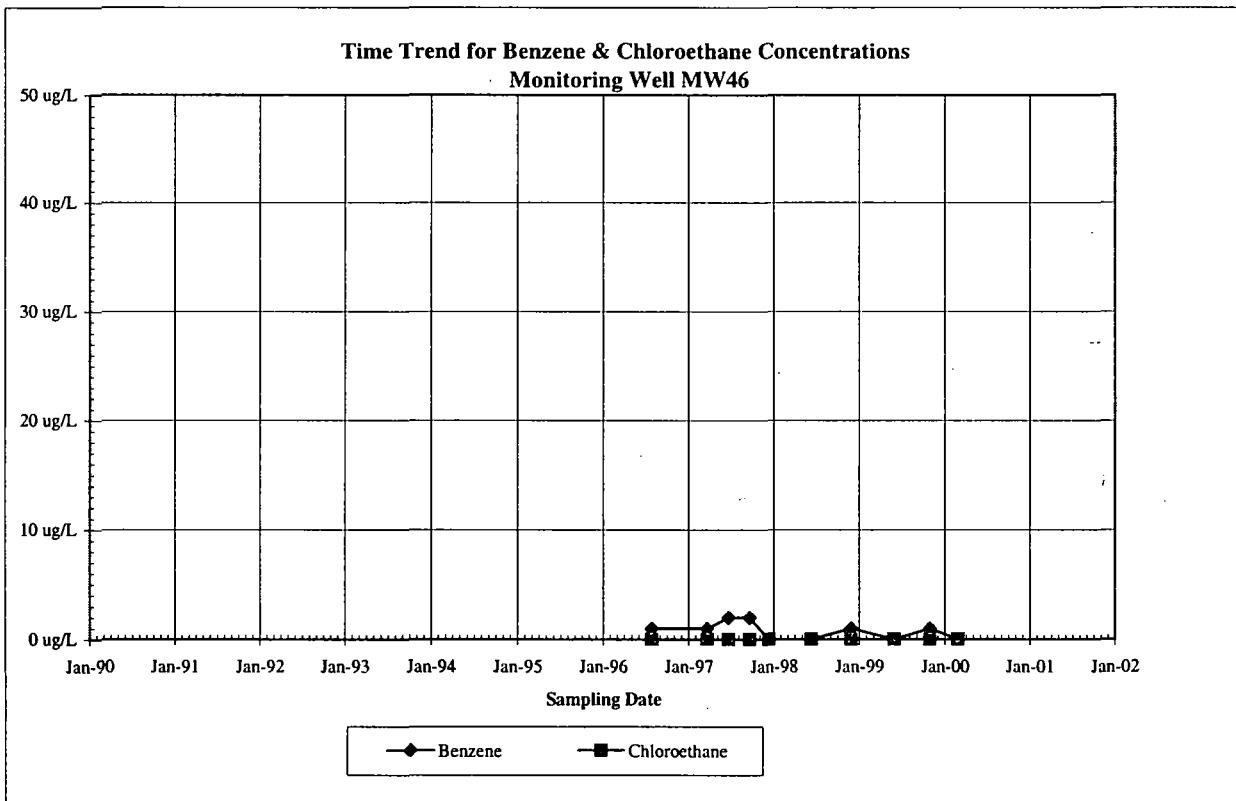
ACS NPL Site

MW46

Date	Benzene	Chloroethane
Baseline	10	10
August-89		
May-90		
December-94		
August-96	1 ug/L	BDL
March-97	1 ug/L	BDL
June-97	2 ug/L	BDL
September-97	2 ug/L	BDL
December-97	BDL	BDL
June-98	BDL	BDL
December-98	1 ug/L	BDL
June-99	BDL	BDL
November-99	1 ug/L	BDL
March-00	BDL	BDL
September-00		

Not sampled - could not be found

BDL = Below the Detection Limit



Upper Aquifer Monitoring Well: MW47

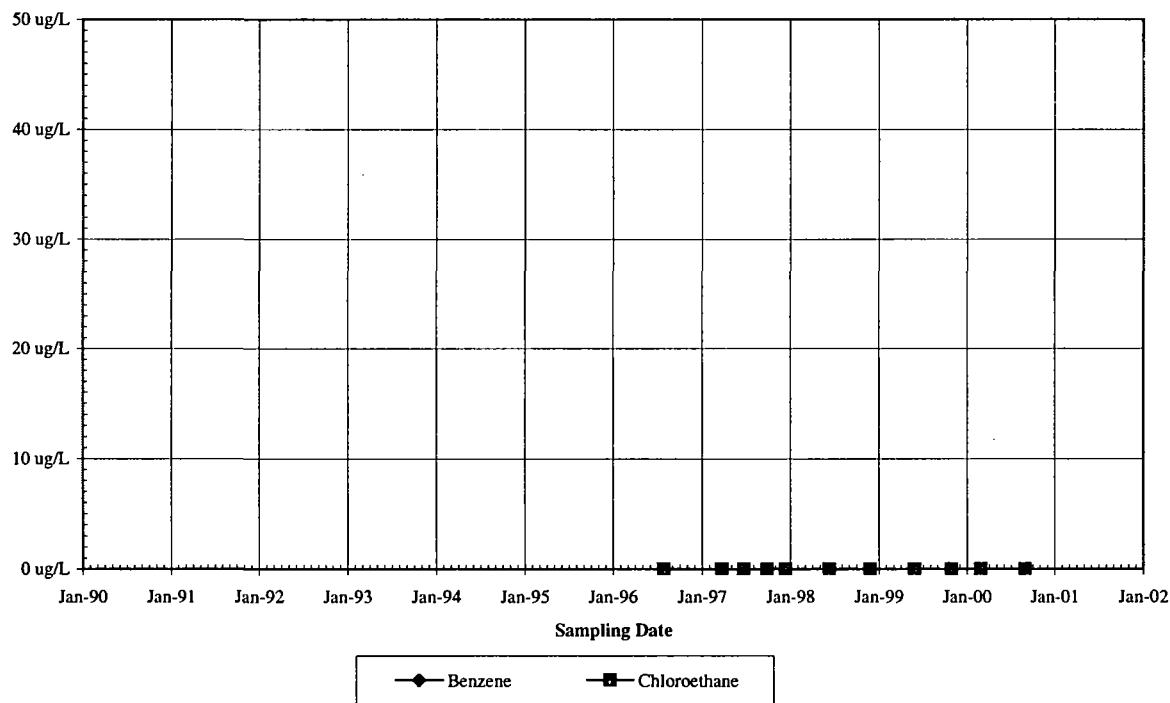
Baseline Groundwater Monitoring ACS NPL Site

MW47

<u>Date</u>	<u>Benzene</u>	<u>Chloroethane</u>
BASELINE	10	10
August-89		
May-90		
December-94		
August-96	BDL	BDL
March-97	BDL	BDL
June-97	BDL	BDL
October-97	BDL	BDL
December-97	BDL	BDL
June-98	BDL	BDL
December-98	BDL	BDL
June-99	BDL	BDL
November-99	BDL	BDL
March-00	BDL	BDL
September-00	BDL	BDL

BDL = Below the Detection Limit

**Time Trend for Benzene & Chloroethane Concentrations
Monitoring Well MW47**



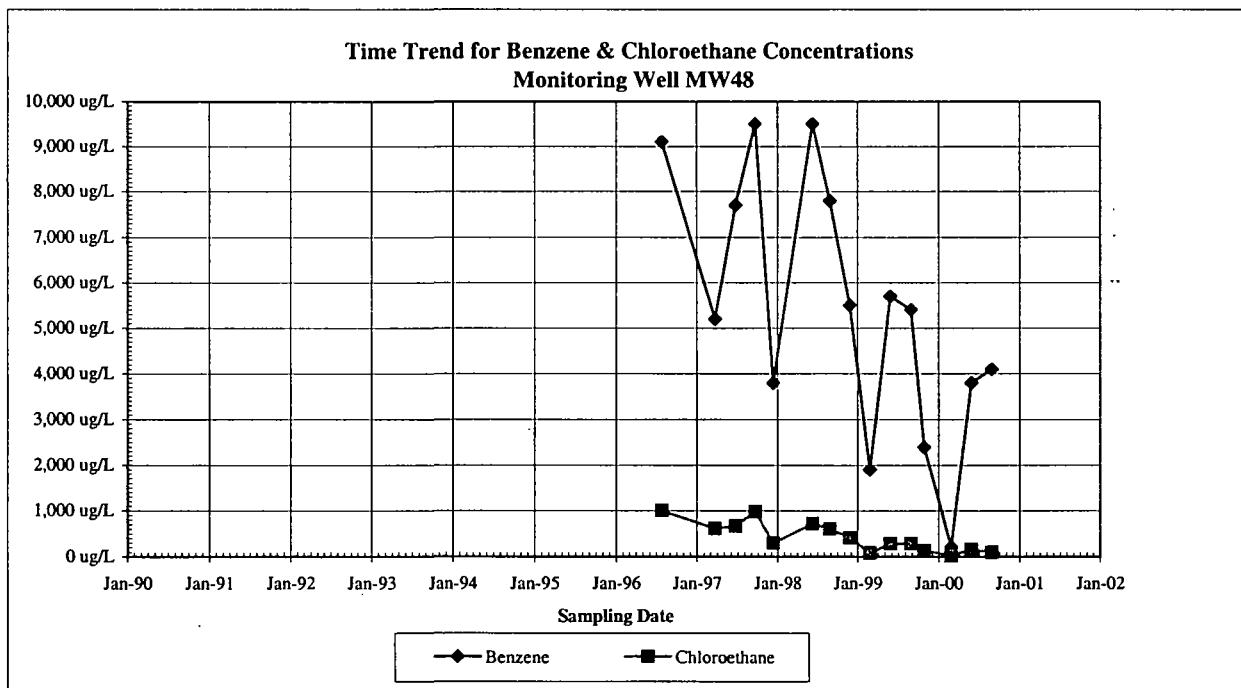
Upper Aquifer Monitoring Well: MW48

Baseline Groundwater Monitoring

ACS NPL Site

MW48

Date	Benzene	Chloroethane
Baseline	9500	1000
August-89		
May-90		
December-94		
August-96	9,100 ug/L	1,000 ug/L
March-97	5,200 ug/L	620 ug/L
June-97	7,700 ug/L	670 ug/L
September-97	9,500 ug/L	980 ug/L
December-97	3,800 ug/L	300 ug/L
June-98	9,500 ug/L	720 ug/L
September-98	7,800 ug/L	610 ug/L
December-98	5,500 ug/L	420 ug/L
March-99	1,900 ug/L	83 ug/L
June-99	5,700 ug/L	290 ug/L
September-99	5,400 ug/L	290 ug/L
November-99	2,400 ug/L	140 ug/L
March-00	220 ug/L	24 ug/L
June-00	3,800 ug/L	160 ug/L
September-00	4,100 ug/L	100 ug/L

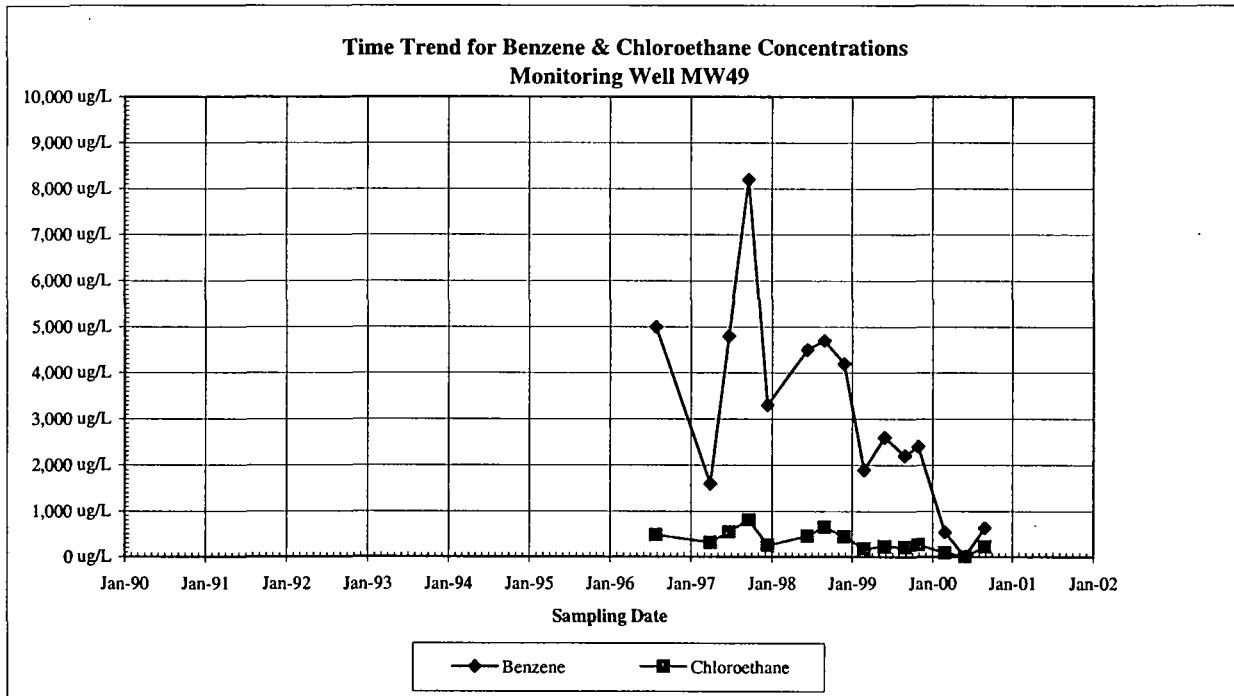


Upper Aquifer Monitoring Well: MW49

Baseline Groundwater Monitoring ACS NPL Site

MW49

Date	Benzene	Chloroethane
Baseline	6750	715
August-89		
May-90		
December-94		
August-96	5,000 ug/L	480 ug/L
April-97	1,600 ug/L	310 ug/L
June-97	4,800 ug/L	540 ug/L
September-97	8,200 ug/L	810 ug/L
December-97	3,300 ug/L	250 ug/L
June-98	4,500 ug/L	450 ug/L
September-98	4,700 ug/L	650 ug/L
December-98	4,200 ug/L	440 ug/L
March-99	1,900 ug/L	180 ug/L
June-99	2,600 ug/L	220 ug/L
September-99	2,200 ug/L	210 ug/L
November-99	2,400 ug/L	260 ug/L
March-00	530 ug/L	91 ug/L
June-00	ND	ND
September-00	630 ug/L	220 ug/L



Lower Aquifer Monitoring Well: MW9/MW9R

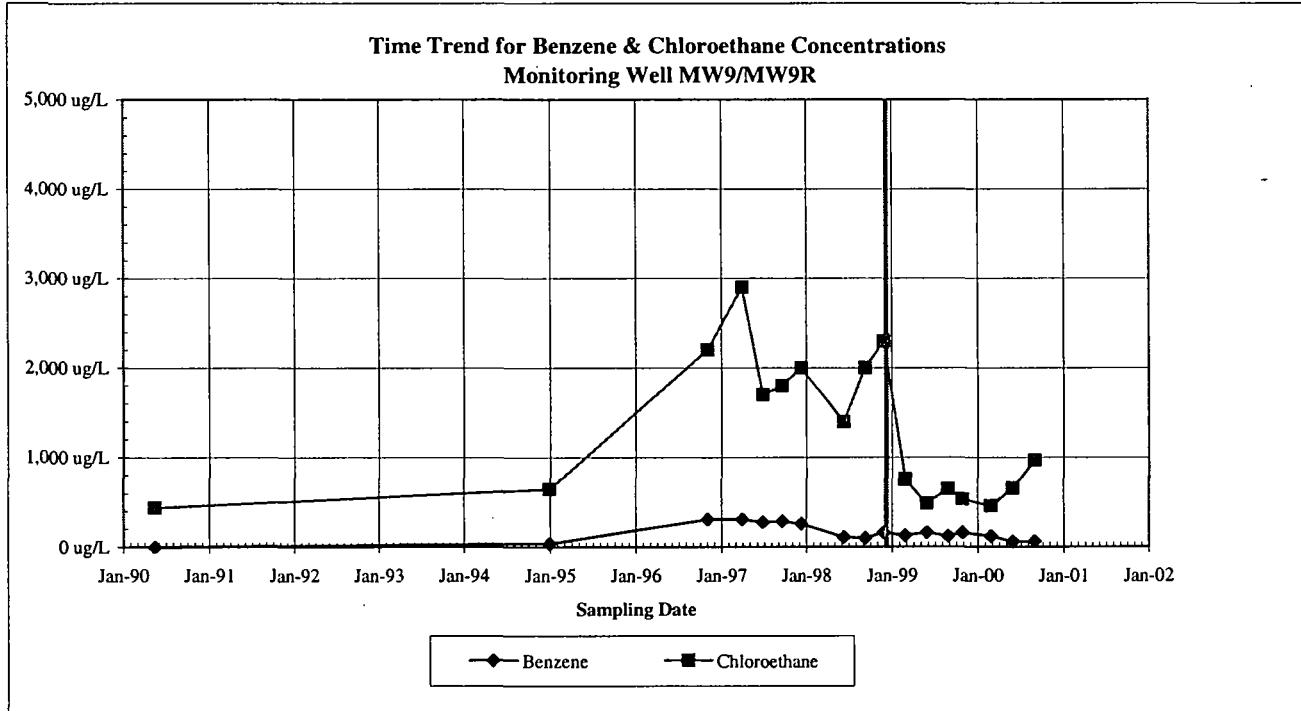
Baseline Groundwater Monitoring

ACS NPL Site

MW9/MW9R

<u>Date</u>	<u>Benzene</u>	<u>Chloroethane</u>
BASELINE	310	2900
August-89		
May-90	BDL	440 ug/L
January-95	40 ug/L	650 ug/L
November-96	310 ug/L	2,200 ug/L
April-97	310 ug/L	2,900 ug/L
June-97	280 ug/L	1,700 ug/L
September-97	290 ug/L	1,800 ug/L
December-97	260 ug/L	2,000 ug/L
June-98	110 ug/L	1,400 ug/L
September-98	100 ug/L	2,000 ug/L
December-98	160 ug/L	2,300 ug/L
March-99	130 ug/L	760 ug/L
June-99	160 ug/L	490 ug/L
September-99	120 ug/L	650 ug/L
November-99	160 ug/L	540 ug/L
March-00	120 ug/L	460 ug/L
June-00	60 ug/L	660 ug/L
September-00	65 ug/L	970 ug/L

BDL = Below the Detection Limit



— Line indicates change to replacement well

Lower Aquifer Monitoring Well: MW10C

Baseline Groundwater Monitoring

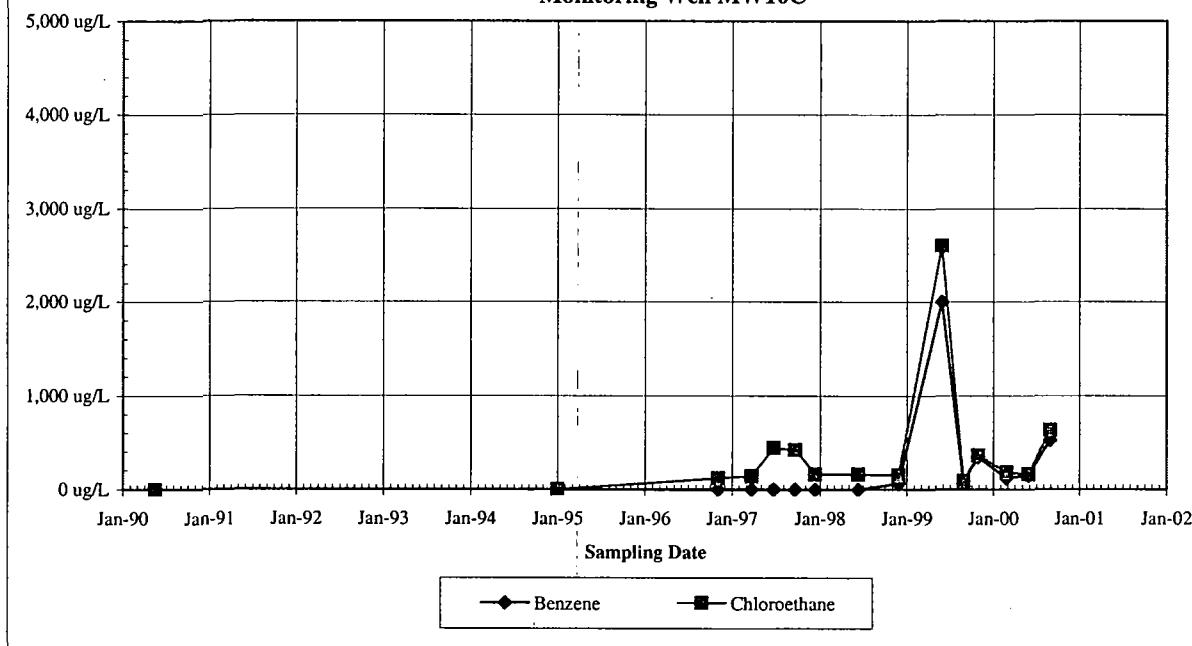
ACS NPL Site

MW10C

Date	Benzene	Chloroethane
BASELINE	150	420
August-89		
May-90	BDL	BDL
January-95	BDL	BDL
November-96	BDL	120 ug/L
March-97	BDL	140 ug/L
June-97	BDL	440 ug/L
September-97	BDL	420 ug/L
December-97	BDL	160 ug/L
June-98	BDL	160 ug/L
December-98	66 ug/L	150 ug/L
June-99	2,000 ug/L	2,600 ug/L
September-99	83 ug/L	88 ug/L
November-99	340 ug/L	360 ug/L
March-00	120 ug/L	180 ug/L
June-00	150 ug/L	160 ug/L
September-00	520 ug/L	630 ug/L

BDL = Below the Detection Limit

Time Trend for Benzene & Chloroethane Concentrations
Monitoring Well MW10C

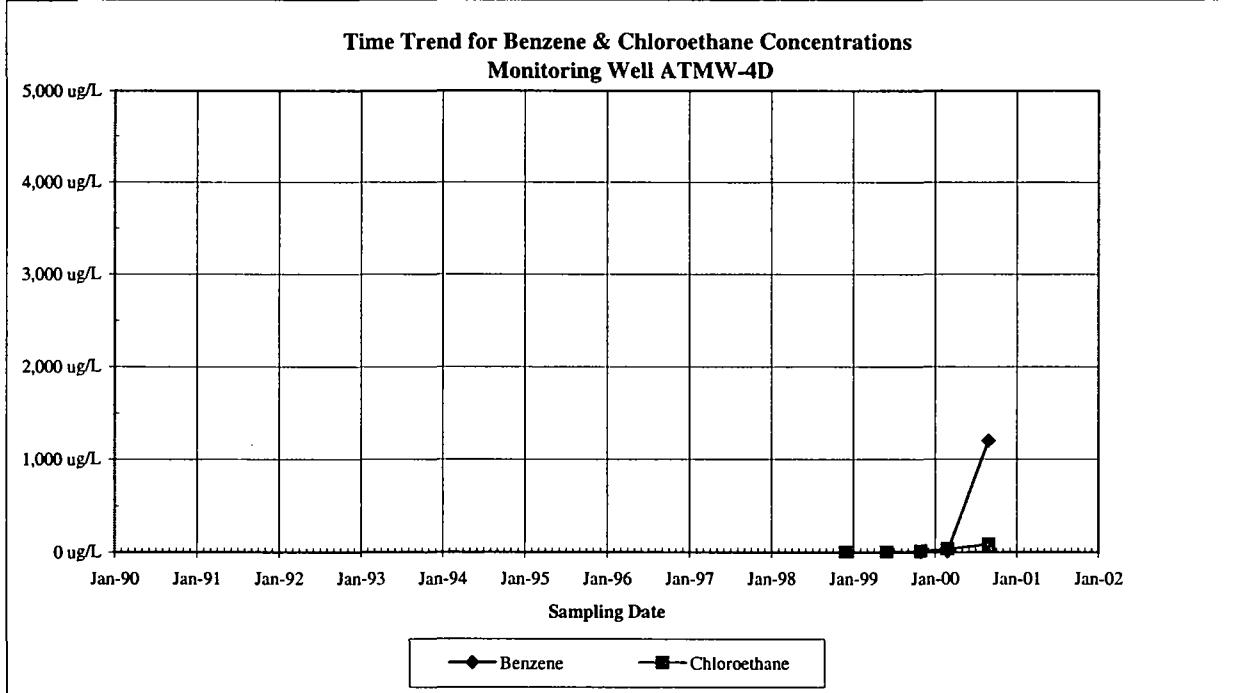


Upper Aquifer Monitoring Well: ATMW4D

Baseline Groundwater Monitoring

ACS NPL Site

ATMW-4D





APPENDIX C

VALIDATION NARRATIVE AND LABORATORY REPORTS FROM UPPER AQUIFER

M E M O R A N D U M



MONTGOMERY WATSON

To: Chad Smith
From: Matthew Reeder, MW-SLC
Subject: Data Validation for American
Chemical Service (ACS),
Griffith, Indiana.

Date: October 26, 2000

Job No.:
SDG: W1201

INTRODUCTION

The following text is based on the validation of water samples collected at American Chemical Service, Inc. in September 2000.

CompuChem Laboratories (Cary, North Carolina) analyzed forty-five samples and thirteen QA/QC samples for the following parameters:

- SDG A1201 VOA, CLP-OLM 3.1, (samples: ACSGWFB0214, ACSGWFB0414, ACSGWM0614, ACSGWM0814, ACSGWM09R14, ACSGWM10C14, ACSGWM1914, ACSGWM1S14, ACSGWM2914, ACSGWM3114, ACSGWM3214, ACSGWM4114, ACSGWM4214, ACSGWM4914, ACSGWM4D14, ACSGWM4S14, ACSGWM54D14, ACSGWM5514, ACSGWM5594, ACSGWTB0214)
- SDG A1201 Arsenic and Lead, CLP-ILM 4.1, (samples: ACSGWFB0214, ACSGWFB0414, ACSGWM0614, ACSGWM0814, ACSGWM09R14, ACSGWM10C14, ACSGWM1914, ACSGWM1S14, ACSGWM2914, ACSGWM3114, ACSGWM3214, ACSGWM4114, ACSGWM4214, ACSGWM4914, ACSGWM4D14, ACSGWM4S14, ACSGWM54D14, ACSGWM5514, ACSGWM5594)
- SDG C1201 VOA, CLP-OLM 3.1, (samples: GWATMW4D14, GWATMW4D914, GWFB0514, GWMW4814)
- SDG C1201 Arsenic and Lead, CLP-ILM 4.1, (samples: GWATMW4D14, GWATMW4D914, GWFB0514, GWMW4814)

- SDG W1201 VOA, CLP-OLM 3.1, (samples: ACSGWFB01-14, ACSGWMW1114, ACSGWMW1214, ACSGWMW1314, ACSGWMW1514, ACSGWMW2314, ACSGWMW23914, ACSGWMW2414, ACSGWMW2814, ACSGWMW3714, ACSGWMW3814, ACSGWMW3914, ACSGWMW4014, ACSGWMW4714, ACSGWMW5014, ACSGWMW5214, ACSGWMW5314, ACSGWMW714, ACSGWMW7914, ACSGWTB0114)
- SDG W1201 Arsenic and Lead, CLP-ILM 4.1, (samples: ACSGWFB01-14, ACSGWMW1114, ACSGWMW1214, ACSGWMW1314, ACSGWMW1514, ACSGWMW2314, ACSGWMW23914, ACSGWMW2414, ACSGWMW2814, ACSGWMW3714, ACSGWMW3814, ACSGWMW3914, ACSGWMW4014, ACSGWMW4714, ACSGWMW5014, ACSGWMW5214, ACSGWMW5314, ACSGWMW714, ACSGWMW7914)
- SDG X1201 VOA, CLP-OLM 3.1, (samples: ACSGWFB0314, ACSGWMW1414, ACSGWMW3014, ACSGWMW3314, ACSGWMW33914, ACSGWMW3414, ACSGWMW4314, ACSGWMW4414, ACSGWMW4514, ACSGWMW5114)
- SDG X1201 Arsenic and Lead, CLP-ILM 4.1, (samples: ACSGWFB0314, ACSGWMW1414, ACSGWMW3014, ACSGWMW3314, ACSGWMW33914, ACSGWMW3414, ACSGWMW4314, ACSGWMW4414, ACSGWMW4514, ACSGWMW5114)
- SDG Y1201 VOA, CLP-OLM 3.1, (samples: ACSGWMWB14, ACSGWPWA14, ACSGWPWC14, ACSGWPWC94, ACSGWPWD14, ACSGWPWY14)
- SDG Y1201 SVOC, CLP-OLM 3.1, (samples: ACSGWMWB14, ACSGWPWA14, ACSGWPWC14, ACSGWPWC94, ACSGWPWD14, ACSGWPWY14)
- SDG Y1201 PCB, CLP-OLM 3.1, (samples: ACSGWMWB14, ACSGWPWA14, ACSGWPWC14, ACSGWPWC94, ACSGWPWD14, ACSGWPWY14)
- SDG Y1201 Metals, CLP-ILM 4.1, (samples: ACSGWMWB14, ACSGWPWA14, ACSGWPWC14, ACSGWPWC94, ACSGWPWD14, ACSGWPWY14)

Data validation was conducted in accordance with procedures specified in *Pre-Design Activities Quality Assurance Project Plan (MW, 1995)*, *USEPA Contract Laboratory Program Statement of Work for Organic Analysis OLM03.1*(U.S. EPA August 1994), *USEPA Contract Laboratory Program Statement of Work for Inorganic Analysis Multi-Media Multi-Concentration ILM04.1* (U.S. EPA February 2000); and was also based on principles outlined in *National Functional Guidelines for Organic Data Review (USEPA, 1994a)*, and *National Functional Guidelines for Inorganic Data Review (USEPA, 1994b)*.

The following field quality control samples were collected during the September 2000 sampling round:

- Five field blanks (ACSGWFB0114, ACSGWFB0214, ACSGWFB0314, ACSGWFB0414, GWFB0514)
- Six field duplicates (ACSGWMW23914, ACSGWMW7914, ACSGWMW33914, GWATMW4D914, ACSGWM55914, ACSGWPWC94)
- Two trip blanks (ACSGWTB0114, ACSGWTB0214)

This memorandum contains a narrative summarizing the data quality objectives specified in the work plan.

SUMMARY

This section describes the quality control parameters reviewed during validation, summarizes the data quality objectives as a result of the validation and provides a summary of the deficiencies and qualification applied. The following paragraphs describe deficiencies that were identified which resulted in qualification of the sample results. Each analysis is separated into sections for clarity.

Volatile Organic Compounds

Major Deficiencies: There were no major deficiencies identified during the validation process.

Minor Deficiencies: The following paragraphs describe the minor deficiencies that were identified during the validation process.

Matrix Spike Duplicate

- RPD% was outside QC limits for 1,1-Dichloroethene and Benzene in MS/MSD of ACSGWMW4714. No data was qualified because the parent sample had no hits for those analytes.

Surrogate recovery

- Recovery for 1,2-Dichloroethane exceeded the QC limit. No data was qualified because only one surrogate was outside limits.

Metals

Major Deficiencies: There were no major deficiencies identified during the validation process.

Minor Deficiencies: There were no minor deficiencies identified during the validation process.

Semi-volatile Organic Compounds

Major Deficiencies: There were no major deficiencies identified during the validation process.

Minor Deficiencies: There were no minor deficiencies identified during the validation process.

Pesticides

Major Deficiencies: There were no major deficiencies identified during the validation process.

Minor Deficiencies: The following paragraphs describe the minor deficiencies that were identified during the validation process.

Surrogate recovery

- Recovery for Tetrachlor-m-xylene and Decachlorobiphenyl exceeded the QC limit. No data was qualified because there were no hits in the corresponding sample data.

DATA QUALITY OBJECTIVES

The following is a summary of the data quality objectives that were evaluated during the data validation process.

Reporting Limits: Reporting limits were met for all analyses.

Accuracy

Laboratory Control Sample: Validation of the LCS was performed for inorganic analyses. The LCS for the inorganic analyses were within control limits and analyzed at the correct frequency. An LCS is not required for the VOC, SVOC, and Pesticides/PCB analyses in accordance with USEPA CLP SOW method OLM03.1 and OLM04.1.

Surrogates: The surrogate results were within laboratory specified limits with the exceptions noted previously.

Matrix Spike / Matrix Spike Duplicate: The MS/MSD results were within laboratory specified limits with the exceptions noted previously.

Precision

Field Duplicates: No results were qualified based on field duplicate comparisons. The attached table lists comparisons and RPD values.

Laboratory Duplicate Sample: The laboratory duplicate results were within laboratory specified limits without exception.

The overall results were acceptable, indicating that sampling and analytical precision objectives were met for the sampling event.

Completeness

The data package was complete for the requested analyses. No results were considered unusable. The completeness was 100 percent, which meets the completeness objective of 95 percent.

Representativeness:

All trip blanks (ACSGWTB0114, ACSGWTB0214) had no target analytes detected above the reporting limit, indicating that the representativeness objectives for the sampling event were met.

All field blanks (ACSGWFB0114, ACSGWFB0214, ACSGWFB0314, ACSGWFB0414, GWFB0514) had no target analytes detected above the reporting limit, for all analyses, indicating that the representativeness objectives for the sampling event were met.

Comparability:

All data were reported in similar units to facilitate comparison of results within the data packages. Samples arrived at the laboratory at 4-6°C, which is within the limits of 2-6°C. All holding times were met, indicating that the comparability objectives for the sampling event were met.

CONCLUSION

As a result of this evaluation, all data within this SDG for wells at American Chemical Service are of known and acceptable quality in relation to the DQOs of this project. Data are considered usable as qualified for the intended purposes.

REFERENCES

Pre-Design Activities Quality Assurance Project Plan, American Chemical Service, Inc. NPL Site, Griffith Indiana (MW, 1995).

USEPA Contract Laboratory Program Statement of Work for Organic Analysis OLM03.1(U.S. EPA August 1994),

USEPA Contract Laboratory Program Statement of Work for Inorganic Analysis Multi-Media Multi-Concentration ILM04.1 (U.S. EPA February 2000)

National Functional Guidelines for Organic Data Review (U.S. EPA, 1994a).

National Functional Guidelines for Inorganic Data Review (U.S. EPA, 1994b).

ACS-NPL September 2000
 Field Duplicate Comparisons
 SDG's A1201, C1201, W1201, X1201, Y1201
 (Page 1 of 5)

Parameter	Sample Result	Duplicate Result	RPD
SDG A1201	M55	M55 dup	
Vinyl Chloride	<10	<10	NC
chloroethane	<10	<10	NC
1,1-Dichloroethene	<10	<10	NC
trans-1,2-Dichloroethene	<10	<10	NC
cis-1,2-Dichloroethene	<10	<10	NC
1,1,1-Trichloroethane	<10	<10	NC
Benzene	<10	<10	NC
Trichloroethene	<10	<10	NC
1,1,2-Trichloroethane	<10	<10	NC
Tetrachloroethene	<10	<10	NC
Arsenic	<3.4	3.6	NC
Lead	<2.0	<2.0	NC
SDG C1201	ATMW4D	ATMW4D dup	
Vinyl Chloride	<10	<10	NC
chloroethane	88	90	2.3%
1,1-Dichloroethene	<10	<10	NC
trans-1,2-Dichloroethene	<10	<10	NC
cis-1,2-Dichloroethene	<10	<10	NC
1,1,1-Trichloroethane	<10	<10	NC
Benzene	1200	1500	25.0%
Trichloroethene	<10	<10	NC
1,1,2-Trichloroethane	<10	<10	NC
Tetrachloroethene	<10	<10	NC
Arsenic	<3.4	<3.4	NC
Lead	2.4	<2.0	NC
SDG W1201	MW2314	MW2314 dup	
Vinyl Chloride	<10	<10	NC
chloroethane	<10	<10	NC
1,1-Dichloroethene	<10	<10	NC
trans-1,2-Dichloroethene	<10	<10	NC
cis-1,2-Dichloroethene	<10	<10	NC
1,1,1-Trichloroethane	<10	<10	NC
Benzene	<10	<10	NC
Trichloroethene	<10	<10	NC
1,1,2-Trichloroethane	<10	<10	NC
Tetrachloroethene	<10	<10	NC
Arsenic	<3.4	<3.4	NC
Lead	<2.0	<2.0	NC

ACS-NPL September 2000
 Field Duplicate Comparisons
 SDG's A1201, C1201, W1201, X1201, Y1201
 (Page 2 of 5)

Parameter	Sample Result	Duplicate Result	RPD
SDG W1201	MW714	MW714 dup	
Vinyl Chloride	<10	<10	NC
chloroethane	<10	<10	NC
1,1-Dichloroethene	<10	<10	NC
trans-1,2-Dichloroethene	<10	<10	NC
cis-1,2-Dichloroethene	<10	<10	NC
1,1,1-Trichloroethane	<10	<10	NC
Benzene	<10	<10	NC
Trichloroethene	<10	<10	NC
1,1,2-Trichloroethane	<10	<10	NC
Tetrachloroethene	<10	<10	NC
Arsenic	<3.4	<3.4	NC
Lead	3.2	<2.0	NC
SDG X1201	MW3314	MW3314 dup	
Vinyl Chloride	<10	<10	NC
chloroethane	<10	<10	NC
1,1-Dichloroethene	<10	<10	NC
trans-1,2-Dichloroethene	<10	<10	NC
cis-1,2-Dichloroethene	<10	<10	NC
1,1,1-Trichloroethane	<10	<10	NC
Benzene	<10	2	NC
Trichloroethene	<10	<10	NC
1,1,2-Trichloroethane	<10	<10	NC
Tetrachloroethene	<10	<10	NC
Arsenic	21.8	21.1	3.2%
Lead	<2.0	<2.0	NC
SDG Y1201	PWC	PWC dup	
Phenol	<5	<5	NC
bis(2-chloroethyl) Ether	<5	<5	NC
2-Chlorophenol	<5	<5	NC
2-Methylphenol (o-Cresol)	<5	<5	NC
2,2-oxybis (1-chloropropane)	<5	<5	NC
4-Methylphenol (p-Cresol)	<5	<5	NC
n-Nitroso-di-n-propylamine	<5	<5	NC
Hexachloroethane	<5	<5	NC
Nitrobenzene	<5	<5	NC
Isophorone	<5	<5	NC
2-Nitrophenol	<5	<5	NC
2,4-Dimethyl phenol	<5	<5	NC
bis(2-chloroethoxy) Methane	<5	<5	NC
2,4-Dichlorophenol	<5	<5	NC
Naphthalene	<5	<5	NC
4-Chloroaniline	<5	<5	NC
Hexachlorobutadiene	<5	<5	NC
4-Chloro-3-methylphenol	<5	<5	NC
2-Methylnaphthalene	<5	<5	NC
Hexachlorocyclopentadiene	<5	<5	NC

ACS-NPL September 2000
 Field Duplicate Comparisons
 SDG's A1201, C1201, W1201, X1201, Y1201
 (Page 3 of 5)

Parameter	Sample Result	Duplicate Result	RPD
SDG Y1201 (con't)			
2,4,6-Trichlorophenol	<5	<5	NC
2,4,5-Trichlorophenol	<19	<19	NC
2-Chloronaphthalene	<5	<5	NC
2-Nitroaniline	<19	<19	NC
Dimethyl phthalate	<5	<5	NC
2,6-Dinitrotoluene	<5	<5	NC
Acenaphthylene	<5	<5	NC
3-Nitroaniline	<19	<19	NC
Acenaphthene	<5	<5	NC
2,4-Dinitrophenol	<19	<19	NC
4-Nitrophenol	<19	<19	NC
2,4-Dinitrotoluene	<5	<5	NC
Dibenzofuran	<5	<5	NC
Diethyl Phthalate	<5	<5	NC
4-Chlorophenyl phenyl ether	<5	<5	NC
Fluorene	<5	<5	NC
4-Nitroaniline	<19	<19	NC
4,6-Dinitro-2-methylphenol	<19	<19	NC
n-Nitrosodiphenylamine	<5	<5	NC
4-Bromophenyl phenyl ether	<5	<5	NC
Hexachlorobenzene	<5	<5	NC
Pentachlorophenol	<17	<17	NC
Phenanthrene	<5	<5	NC
Anthracene	<5	<5	NC
Di-n-butyl phthalate	<5	<5	NC
Fluoranthene	<5	<5	NC
Pyrene	<5	<5	NC
Benzyl butyl phthalate	<5	<5	NC
3,3'-Dichlorobenzidine	<5	<5	NC
Benzo(a)anthracene	<5	<5	NC
Chrysene	<5	<5	NC
bis(2-ethylhexyl) Phthalate	<5	<5	NC
Di-n-octylphthalate	<5	<5	NC
Benzo(b)fluoranthene	<5	<5	NC
Benzo(k)fluoranthene	<5	<5	NC
Benzo(a)pyrene	<5	<5	NC
Indeno(1,2,3-c,d)Pyrene	<5	<5	NC
Dibenz(a,h)anthracene	<5	<5	NC
Benzo(g,h,i)perylene	<5	<5	NC
Aluminum	<34.9	<34.9	NC
Antimony	<1.9	<1.9	NC
Arsenic	<3.4	<3.4	NC
Barium	167	164	1.8%
Beryllium	<0.1	<0.1	NC
cadmium	<0.3	<0.3	NC
Calcium	92900	90100	3.0%
Chromium	0.71	<0.5	NC
Cobalt	<0.5	<0.5	NC
Copper	1.8	2.4	33.3%

ACS-NPL September 2000
 Field Duplicate Comparisons
 SDG's A1201, C1201, W1201, X1201, Y1201
 (Page 4 of 5)

Parameter	Sample Result	Duplicate Result	RPD
SDG Y1201 (con't)			
Iron	2830	2640	6.7%
Lead	<2.0	<2.0	NC
Magnesium	52200	50800	2.7%
Manganese	35.2	33.9	3.7%
Mercury	<0.1	<0.1	NC
Nickel	<1	<1	NC
Potassium	2620	2540	3.1%
Selenium	<5.0	<5.0	NC
Silver	<0.6	<0.6	NC
Sodium	23200	22600	2.6%
Thallium	<4.9	<4.9	NC
Vanadium	<0.5	<0.5	NC
Zinc	17.8	17.8	0.0%
Cyanide	<0.8	<0.8	NC
Chloromethane	Δ 1	<1	NC
Bromomethane	Δ 1	<1	NC
Vinyl chloride	Δ 1	<1	NC
Chloroethane	Δ 1	<1	NC
Methylene chloride	Δ 2	Δ 2	NC
Acetone	Δ 5	Δ 5	NC
Carbon disulfide	Δ 1	Δ 1	NC
1,1-Dichloroethene	Δ 1	Δ 1	NC
1,1-Dichloroethane	Δ 1	Δ 1	NC
cis-1,2-Dichloroethylene	Δ 1	Δ 1	NC
Chloroform	Δ 1	Δ 1	NC
1,2-Dichloroethane	Δ 1	Δ 1	NC
2-butanone	Δ 5	Δ 5	NC
Bromochloromethane	0.2	Δ 1	NC
1,1,1-Trichloroethane	Δ 1	Δ 1	NC
Carbon tetrachloride	Δ 1	Δ 1	NC
Bromodichloromethane	Δ 1	Δ 1	NC
1,2-Dichloropropane	Δ 1	Δ 1	NC
cis-1,3-Dichloropropene	Δ 1	Δ 1	NC
Trichloroethylene (TCE)	Δ 1	Δ 1	NC
Dibromochloromethane	Δ 1	Δ 1	NC
1,1,2-Trichloroethane	Δ 1	Δ 1	NC
Benzene	Δ 1	Δ 1	NC
trans-1,3-Dichloropropene	Δ 1	Δ 1	NC
Bromoform	0.2	0.2	NC
4-methyl-2-pentanone	Δ 5	Δ 5	NC
2-Hexanone	Δ 5	Δ 5	NC
Tetrachloroethylene(PCE)	Δ 1	Δ 1	NC
1,1,1,2-Tetrachloroethane	Δ 1	Δ 1	NC
1,2-Dibromoethane	Δ 1	Δ 1	NC
Toluene	Δ 1	Δ 1	NC
Chlorobenzene	Δ 1	Δ 1	NC
Ethylbenzene	Δ 1	Δ 1	NC
Styrene	Δ 1	Δ 1	NC
Xylenes, Total	Δ 1	Δ 1	NC

ACS-NPL September 2000
 Field Duplicate Comparisons
 SDG's A1201, C1201, W1201, X1201, Y1201
 (Page 5 of 5)

Parameter	Sample Result	Duplicate Result	RPD
SDG Y1201 (con't)			
1,3-Dichlorobenzene	<1	<1	NC
1,4-Dichlorobenzene	<1	0.2	NC
1,2-Dichlorobenzene	<1	<1	NC
1,2-Dibromo-3-chloropropane	<1	<1	NC
1,2,4-Trichlorobenzene	<1	<1	NC
alpha-BHC	<0.05	<0.05	NC
beta-BHC	<0.05	<0.05	NC
delta-BHC	<0.05	<0.05	NC
gamma-BHC	<0.05	<0.05	NC
Heptachlor	<0.05	<0.05	NC
Aldrin	<0.05	<0.05	NC
Heptachlor epoxide	<0.05	<0.05	NC
Endosulfan I	<0.05	<0.05	NC
Dieldrin	<0.1	<0.1	NC
4,4'-DDE	<0.1	<0.1	NC
Endrin	<0.1	<0.1	NC
Endosulfan II	<0.1	<0.1	NC
4,4'-DDD	<0.1	<0.1	NC
Endosulfan sulfate	<0.1	<0.1	NC
4,4'-DDT	<0.1	<0.1	NC
Methoxychlor	<0.5	<0.5	NC
Endrin ketone	<0.1	<0.1	NC
Endrin aldehyde	<0.1	<0.1	NC
alpha-Chlordane	<0.05	<0.05	NC
gamma-Chlordane	<0.05	<0.05	NC
Toxaphene	<5	<5	NC
PCB-1016 (Arochlor 1016)	<1	<1	NC
PCB-1221 (Arochlor 1221)	<2	<2	NC
PCB-1232 (Arochlor 1232)	<1	<1	NC
PCB-1242 (Arochlor 1242)	<1	<1	NC
PCB-1248 (Arochlor 1248)	<1	<1	NC
PCB-1254 (Arochlor 1254)	<1	<1	NC
PCB-1260 (Arochlor 1260)	<1	<1	NC

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: COMPUCHEM

Contract: OLM04-REVS

ACSGWM1514

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: A1201

Matrix: (soil/water) WATER

Lab Sample ID: A1201-2

Sample wt/vol: 5 (g/mL) ML

Lab File ID: A1201-2B55

Level: (low/med) LOW

Date Received: 09/23/00

% Moisture: not dec. _____

Date Analyzed: 09/27/00

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO. COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-35-4	1,1-Dichloroethene	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
71-55-6	1,1,1-Trichloroethane	10	U
71-43-2	Benzene	10	U
79-01-6	Trichloroethene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

ACSGWM1514

Lab Name: COMPUCHEM

Contract: OLM04-REVS

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: A1201

Matrix: (soil/water) WATER

Lab Sample ID: A1201-2

Sample wt/vol: 5 (g/mL) ML

Lab File ID: A1201-2B55

Level: (low/med) LOW

Date Received: 09/23/00

% Moisture: not dec. _____

Date Analyzed: 09/27/00

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 2

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 75-45-6	METHANE, CHLORODIFLUORO-	4.15	10	NJ
2. 60-29-7	ETHER	7.63	12	NJ
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U. S. EPA - CLP

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ACSGWMW1S14

Lab Name: COMPUCHEM Contract: _____

Lab Code: LIBRTY Case No.: _____ SAS No.: _____ SDG No.: A1201

Matrix (soil/water): WATER Lab Sample ID: A1201-2

Level (low/med): LOW Date Received: 09/23/00

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	3.9	B		P
7439-92-1	Lead	2.0	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments: _____

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: COMPUCHEM

Contract: OLM04-REVS

ACSGWM4S14

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: A1201

Matrix: (soil/water) WATER

Lab Sample ID: A1201-4

Sample wt/vol: 5 (g/mL) ML

Lab File ID: A1201-4B55

Level: (low/med) LOW

Date Received: 09/23/00

% Moisture: not dec. _____

Date Analyzed: 09/27/00

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	10	U
75-01-4	Vinyl Chloride	37	
75-00-3	Chloroethane	10	U
75-35-4	1,1-Dichloroethene	1	J
156-60-5	trans-1,2-Dichloroethene	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
71-55-6	1,1,1-Trichloroethane	10	U
71-43-2	Benzene	130	
79-01-6	Trichloroethene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: COMPUCHEM

Contract: OLM04-REVS

ACSGWM4S14

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: A1201

Matrix: (soil/water) WATER

Lab Sample ID: A1201-4

Sample wt/vol: 5 (g/mL) ML

Lab File ID: A1201-4B55

Level: (low/med) LOW

Date Received: 09/23/00

% Moisture: not dec.

Date Analyzed: 09/27/00

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

Number TICs found: 7

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 100-40-3	CYCLOHEXENE, 4-ETHENYL-	14.72	11	NJ
2. 98-82-8	BENZENE, (1-METHYLETHYL)-	15.94	11	NJ
3. 103-65-1	BENZENE, PROPYL-	16.26	10	NJ
4. 526-73-8	BENZENE, 1,2,3-TRIMETHYL-	16.70	66	NJ
5. 526-73-8	BENZENE, 1,2,3-TRIMETHYL-	17.05	19	NJ
6. 496-11-7	INDANE	17.25	10	NJ
7. 767-58-8	INDAN, 1-METHYL-	18.44	5	NJ
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FORM I VOA-TIC

OLM04.2

U. S. EPA - CLP

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ACSGWMW4S14

Lab Name: COMPUCHEM

Contract: _____

Lab Code: LIBRTY

Case No.: _____

SAS No.: _____

SDG No.: A1201Matrix (soil/water): WATERLab Sample ID: A1201-4Level (low/med): LOWDate Received: 09/23/00% Solids: 0.0Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	5.6	B		P
7439-92-1	Lead	2.0	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments: _____

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: COMPUCHEM

Contract: OLM04-REVS

ACSGWM0614

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: A1201

Matrix: (soil/water) WATER

Lab Sample ID: A1201-14

Sample wt/vol: 5 (g/mL) ML

Lab File ID: A1201-14A55

Level: (low/med) LOW

Date Received: 09/23/00

% Moisture: not dec. _____

Date Analyzed: 09/28/00

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	22	
75-35-4	1,1-Dichloroethene	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
71-55-6	1,1,1-Trichloroethane	10	U
71-43-2	Benzene	130	
79-01-6	Trichloroethene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U

FORM I VOA-1

OLM04.2

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: COMPUCHEM

Contract: OLM04-REVS

ACSGWM0614

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: A1201

Matrix: (soil/water) WATER

Lab Sample ID: A1201-14

Sample wt/vol: 5 (g/mL) ML

Lab File ID: A1201-14A55

Level: (low/med) LOW

Date Received: 09/23/00

% Moisture: not dec. _____

Date Analyzed: 09/28/00

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 60-29-7	ETHER	7.61	5	NJ
2.				
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FORM I VOA-TIC

OLM04.2

U. S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ACSGWMW0614

Lab Name: COMPUCHEM Contract: _____

Lab Code: LIBERTY Case No.: _____ SAS No.: _____ SDG No.: A1201

Matrix (soil/water): WATER Lab Sample ID: A1201-14

Level (low/med): LOW Date Received: 09/23/00

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	13.5			P
7439-92-1	Lead	2.0	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments: _____

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: COMPUCHEM

Contract: OLM04-REVS

ACSGWMW714

Lab Code: LIBRTY Case No.: Q1201

SAS No.: SDG No.: W1201

Matrix: (soil/water) WATER

Lab Sample ID: W1201-5

Sample wt/vol: 5 (g/mL) ML

Lab File ID: W1201-5A51

Level: (low/med) LOW

Date Received: 09/21/00

% Moisture: not dec.

Date Analyzed: 09/22/00

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO. COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-35-4	1,1-Dichloroethene	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
71-55-6	1,1,1-Trichloroethane	10	U
71-43-2	Benzene	10	U
79-01-6	Trichloroethene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

ACSGWMW714

Lab Name: COMPUCHEM	Contract: OLM04-REVS	
Lab Code: LIBRTY Case No.: Q1201	SAS No.:	SDG No.: W1201
Matrix: (soil/water) WATER	Lab Sample ID: W1201-5	
Sample wt/vol: 5 (g/mL) ML	Lab File ID: W1201-5A51	
Level: (low/med) LOW	Date Received: 09/21/00	
% Moisture: not dec.	Date Analyzed: 09/22/00	
GC Column: EQUITY624 ID: 0.53 (mm)	Dilution Factor: 1.0	
Soil Extract Volume: _____ (uL)	Soil Aliquot Volume: _____ (uL)	
Number TICs found: 0	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
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FORM I VOA-TIC

OLM04.2

EPA-CLP METALS

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ACSGWMW714

Lab Name: COMPUCHEM Contract: _____

Lab Code: LIBRTY Case No.: _____ SAS No.: _____ SDG No.: W1201

Matrix (soil/water): WATER Lab Sample ID: W1201-5

Level (low/med): LOW Date Received: 09/21/00

Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	3.4	U		P
7439-92-1	Lead	3.2			P

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments: _____

VOLATILE ORGANICS ANALYSIS DATA SHEET

1A

EPA SAMPLE NO.

Lab Name: COMPUCHEM

Contract: OLM04-REVS

ACSGWMW7914

Lab Code: LIBRTY Case No.: Q1201

SAS No.:

SDG No.: W1201

Matrix: (soil/water) WATER

Lab Sample ID: W1201-6

Sample wt/vol: 5 (g/mL) ML

Lab File ID: W1201-6RA51

Level: (low/med) LOW

Date Received: 09/21/00

% Moisture: not dec.

Date Analyzed: 09/23/00

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-35-4	1,1-Dichloroethene	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
71-55-6	1,1,1-Trichloroethane	10	U
71-43-2	Benzene	10	U
79-01-6	Trichloroethene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U

FORM I VOA-1

OLM04.2

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

ACSGWMW7914

Lab Name: COMPUCHEM

Contract: OLM04-REVS

Lab Code: LIBRTY Case No.: Q1201 SAS No.:

SDG No.: W1201

Matrix: (soil/water) WATER

Lab Sample ID: W1201-6

Sample wt/vol: 5 (g/mL) ML

Lab File ID: W1201-6RA51

Level: (low/med) LOW

Date Received: 09/21/00

% Moisture: not dec.

Date Analyzed: 09/23/00

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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EPA-CLP METALS

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ACSGWMW7914

Lab Name: COMPUCHEM

Contract: _____

Lab Code: LIBRTY

Case No.: _____

SAS No.: _____

SDG No.: W1201Matrix (soil/water): WATERLab Sample ID: W1201-6Level (low/med): LOWDate Received: 09/21/00% Solids: 0.0Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	3.4	U		P
7439-92-1	Lead	2.0	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments: _____

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ACSGWMW1114

Lab Name: COMPUCHEM

Contract: OLM04-REVS

Lab Code: LIBRTY

Case No.: Q1201

SAS No.:

SDG No.: W1201

Matrix: (soil/water) WATER

Lab Sample ID: W1201-7

Sample wt/vol: 5 (g/mL) ML

Lab File ID: W1201-7A51

Level: (low/med) LOW

Date Received: 09/21/00

% Moisture: not dec.

Date Analyzed: 09/22/00

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO. COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-35-4	1,1-Dichloroethene	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
71-55-6	1,1,1-Trichloroethane	10	U
71-43-2	Benzene	10	U
79-01-6	Trichloroethene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: COMPUCHEM	Contract: OLM04-REVS	ACSGWMW1114
Lab Code: LIBRTY Case No.: Q1201	SAS No.:	SDG No.: W1201
Matrix: (soil/water) WATER	Lab Sample ID: W1201-7	
Sample wt/vol: 5 (g/mL) ML	Lab File ID: W1201-7A51	
Level: (low/med) LOW	Date Received: 09/21/00	
% Moisture: not dec.	Date Analyzed: 09/22/00	
GC Column: EQUITY624 ID: 0.53 (mm)	Dilution Factor: 1.0	
Soil Extract Volume: _____ (uL)	Soil Aliquot Volume: _____ (uL)	
Number TICs found: 0	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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FORM I VOA-TIC

OLM04.2

EPA-CLP METALS

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ACSGWMW1114

Lab Name: COMPUCHEM Contract: _____

Lab Code: LIBRTY Case No.: _____ SAS No.: _____ SDG No.: W1201

Matrix (soil/water): WATER Lab Sample ID: W1201-7

Level (low/med): LOW Date Received: 09/21/00

Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
<u>7440-38-2</u>	<u>Arsenic</u>	<u>3.4</u>	<u>U</u>		<u>P</u>
<u>7439-92-1</u>	<u>Lead</u>	<u>4.3</u>			<u>P</u>

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments: _____

VOLATILE ORGANICS ANALYSIS DATA SHEET

1A

EPA SAMPLE NO.

Lab Name: COMPUCHEM

Contract: OLM04-REVS

ACSGWMW1214

Lab Code: LIBRTY Case No.: Q1201

SAS No.:

SDG No.: W1201

Matrix: (soil/water) WATER

Lab Sample ID: W1201-3

Sample wt/vol: 5 (g/mL) ML

Lab File ID: W1201-3A51

Level: (low/med) LOW

Date Received: 09/21/00

% Moisture: not dec.

Date Analyzed: 09/22/00

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO. COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-35-4	1,1-Dichloroethene	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
71-55-6	1,1,1-Trichloroethane	10	U
71-43-2	Benzene	10	U
79-01-6	Trichloroethene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U

FORM I VOA-1

OLM04.2

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

ACSGWMW1214

Lab Name: COMPUCHEM

Contract: OLM04-REVS

Lab Code: LIBRTY Case No.: Q1201 SAS No.: SDG No.: W1201

Matrix: (soil/water) WATER Lab Sample ID: W1201-3

Sample wt/vol: 5 (g/mL) ML Lab File ID: W1201-3A51

Level: (low/med) LOW Date Received: 09/21/00

% Moisture: not dec. Date Analyzed: 09/22/00

GC Column: EQUITY624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 0 CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
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EPA-CLP METALS

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ACSGWMW1214

Lab Name: COMPUCHEM Contract: _____

Lab Code: LIBRTY Case No.: _____ SAS No.: _____ SDG No.: W1201

Matrix (soil/water): WATER Lab Sample ID: W1201-3

Level (low/med): LOW Date Received: 09/21/00

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	3.4	U		P
7439-92-1	Lead	2.1	B		P

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments: _____

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: COMPUCHEM

Contract: OLM04-REVS

ACSGWMW1314

Lab Code: LIBRTY Case No.: Q1201

SAS No.:

SDG No.: W1201

Matrix: (soil/water) WATER

Lab Sample ID: W1201-16

Sample wt/vol: 5 (g/mL) ML

Lab File ID: W1201-16A51

Level: (low/med) LOW

Date Received: 09/21/00

% Moisture: not dec. _____

Date Analyzed: 09/23/00

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO. COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-35-4	1,1-Dichloroethene	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
71-55-6	1,1,1-Trichloroethane	10	U
71-43-2	Benzene	10	U
79-01-6	Trichloroethene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: COMPUCHEM	Contract: OLM04-REVS	ACSGWMW1314
Lab Code: LIBRTY Case No.: Q1201	SAS No.:	SDG No.: W1201
Matrix: (soil/water) WATER	Lab Sample ID: W1201-16	
Sample wt/vol: 5 (g/mL) ML	Lab File ID: W1201-16A51	
Level: (low/med) LOW	Date Received: 09/21/00	
% Moisture: not dec.	Date Analyzed: 09/23/00	
GC Column: EQUITY624 ID: 0.53 (mm)	Dilution Factor: 1.0	
Soil Extract Volume: _____ (uL)	Soil Aliquot Volume: _____ (uL)	
Number TICs found: 1	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 60-29-7	ETHER	5.42	6	NJ
2.				
3.				
4.				
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FORM I VOA-TIC

OLM04.2

EPA-CLP METALS

I

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ACSGWMW1314

Lab Name: COMPUCHEM Contract: _____

Lab Code: LIBRTY Case No.: _____ SAS No.: _____ SDG No.: W1201

Matrix (soil/water): WATER Lab Sample ID: W1201-16

Level (low/med): LOW Date Received: 09/21/00

Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	3.4	U		P
7439-92-1	Lead	2.0	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments: _____

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: COMPUCHEM

Contract: OLM04-REVS

Lab Code: LIBRTY Case No.:

SAS No.:

ACSGWMW1414

SDG No.: X1201

Matrix: (soil/water) WATER

Lab Sample ID: X1201-2

Sample wt/vol: 5 (g/mL) ML

Lab File ID: X1201-2RA71

Level: (low/med) LOW

Date Received: 09/21/00

% Moisture: not dec. _____

Date Analyzed: 09/27/00

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-35-4	1,1-Dichloroethene	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
71-55-6	1,1,1-Trichloroethane	10	U
71-43-2	Benzene	10	U
79-01-6	Trichloroethene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U

FORM I VOA-1

OLM04.2

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

ACSGWMW1414

Lab Name: COMPUCHEM

Contract: OLM04-REVS

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: X1201

Matrix: (soil/water) WATER

Lab Sample ID: X1201-2

Sample wt/vol: 5 (g/mL) ML

Lab File ID: X1201-2RA71

Level: (low/med) LOW

Date Received: 09/21/00

% Moisture: not dec. _____

Date Analyzed: 09/27/00

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
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EPA-CLP METALS

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ACSGWMW1414

Lab Name: COMPUCHEM Contract: _____

Lab Code: LIBERTY Case No.: _____ SAS No.: _____ SDG No.: X1201

Matrix (soil/water): WATER Lab Sample ID: X1201-2

Level (low/med): LOW Date Received: 09/21/00

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	10.3			P
7439-92-1	Lead	5.9			P

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments: _____

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: COMPUCHEM

Contract: OLM04-REVS

ACSGWMW1514

Lab Code: LIBRTY Case No.: Q1201

SAS No.:

SDG No.: W1201

Matrix: (soil/water) WATER

Lab Sample ID: W1201-8

Sample wt/vol: 5 (g/mL) ML

Lab File ID: W1201-8A51

Level: (low/med) LOW

Date Received: 09/21/00

% Moisture: not dec. _____

Date Analyzed: 09/23/00

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO. COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-35-4	1,1-Dichloroethene	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
71-55-6	1,1,1-Trichloroethane	10	U
71-43-2	Benzene	2	J
79-01-6	Trichloroethene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: COMPUCHEM

Contract: OLM04-REVS

ACSGWMW1514

Lab Code: LIBRTY Case No.: Q1201 SAS No.: SDG No.: W1201

Matrix: (soil/water) WATER Lab Sample ID: W1201-8

Sample wt/vol: 5 (g/mL) ML Lab File ID: W1201-8A51

Level: (low/med) LOW Date Received: 09/21/00

% Moisture: not dec. Date Analyzed: 09/23/00

GC Column: EQUITY624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 0 CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
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FORM I VOA-TIC

OLM04.2

EPA-CLP METALS

I

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ACSGWMW1514

Lab Name: COMPUCHEM Contract: _____

Lab Code: LIBRTY Case No.: _____ SAS No.: _____ SDG No.: W1201

Matrix (soil/water): WATER Lab Sample ID: W1201-8

Level (low/med): LOW Date Received: 09/21/00

Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	68.0			P
7439-92-1	Lead	2.0	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments: _____

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: COMPUCHEM

Contract: OLM04-REVS

ACSGWM1914

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: A1201

Matrix: (soil/water) WATER

Lab Sample ID: A1201-13

Sample wt/vol: 5 (g/mL) ML

Lab File ID: A1201-13A55

Level: (low/med) LOW

Date Received: 09/23/00

% Moisture: not dec.

Date Analyzed: 09/28/00

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO. COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	35	
75-35-4	1,1-Dichloroethene	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
71-55-6	1,1,1-Trichloroethane	10	U
71-43-2	Benzene	7	J
79-01-6	Trichloroethene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U

FORM I VOA-1

OLM04.2

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1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: COMPUCHEM

Contract: OLM04-REVS

ACSGWM1914

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: A1201

Matrix: (soil/water) WATER

Lab Sample ID: A1201-13

Sample wt/vol: 5 (g/mL) ML

Lab File ID: A1201-13A55

Level: (low/med) LOW

Date Received: 09/23/00

% Moisture: not dec.

Date Analyzed: 09/28/00

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 60-29-7	ETHER	7.62	5	NJ
2.				
3.				
4.				
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FORM I VOA-TIC

OLM04.2

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ACSGWMW1914

Lab Name: COMPUCHEM Contract: _____

Lab Code: LIBRTY Case No.: _____ SAS No.: _____ SDG No.: A1201

Matrix (soil/water): WATER Lab Sample ID: A1201-13

Level (low/med): LOW Date Received: 09/23/00

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	29.9			P
7439-92-1	Lead	2.0	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments: _____

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ACSGWMW3714

Lab Name: COMPUCHEM

Contract: OLM04-REVS

Lab Code: LIBRTY Case No.: Q1201 SAS No.: SDG No.: W1201

Matrix: (soil/water) WATER

Lab Sample ID: W1201-17

Sample wt/vol: 5 (g/mL) ML

Lab File ID: W1201-17A51

Level: (low/med) LOW

Date Received: 09/21/00

% Moisture: not dec.

Date Analyzed: 09/23/00

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO. COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-35-4	1,1-Dichloroethene	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
71-55-6	1,1,1-Trichloroethane	10	U
71-43-2	Benzene	10	U
79-01-6	Trichloroethene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: COMPUCHEM

Contract: OLM04-REVS

ACSGWMW3714

Lab Code: LIBRTY Case No.: Q1201 SAS No.: SDG No.: W1201

Matrix: (soil/water) WATER Lab Sample ID: W1201-17

Sample wt/vol: 5 (g/mL) ML Lab File ID: W1201-17A51

Level: (low/med) LOW Date Received: 09/21/00

% Moisture: not dec. Date Analyzed: 09/23/00

GC Column: EQUITY624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 0 CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
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EPA-CLP METALS

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ACSGWMW3714

Lab Name: COMPUCHEM Contract: _____

Lab Code: LIBRTY Case No.: _____ SAS No.: _____ SDG No.: W1201

Matrix (soil/water): WATER Lab Sample ID: W1201-17

Level (low/med): LOW Date Received: 09/21/00

Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	3.4	U		P
7439-92-1	Lead	2.0	B		P

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments: _____

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: COMPUCHEM

Contract: OLM04-REVS

ACSGWMW3814

Lab Code: LIBRTY Case No.: Q1201

SAS No.:

SDG No.: W1201

Matrix: (soil/water) WATER

Lab Sample ID: W1201-11

Sample wt/vol: 5 (g/mL) ML

Lab File ID: W1201-11RA51

Level: (low/med) LOW

Date Received: 09/21/00

% Moisture: not dec.

Date Analyzed: 09/23/00

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO. COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-35-4	1,1-Dichloroethene	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
71-55-6	1,1,1-Trichloroethane	10	U
71-43-2	Benzene	10	U
79-01-6	Trichloroethene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: COMPUTECH

Contract: OLM04-REVS

ACSGWMW3814

Lab Code: LIBRTY Case No.: Q1201 SAS No.:

SDG No.: W1201

Matrix: (soil/water) WATER

Lab Sample ID: W1201-11

Sample wt/vol: 5 (g/mL) ML

Lab File ID: W1201-11RA51

Level: (low/med) LOW

Date Received: 09/21/00

% Moisture: not dec.

Date Analyzed: 09/23/00

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
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EPA-CLP METALS

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ACSGWMW3814

Lab Name: COMPUCHEM Contract: _____

Lab Code: LIBRTY Case No.: _____ SAS No.: _____ SDG No.: W1201

Matrix (soil/water): WATER Lab Sample ID: W1201-11

Level (low/med): LOW Date Received: 09/21/00

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	3.4	U		P
7439-92-1	Lead	2.0	B		P

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments: _____

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: COMPUCHEM

Contract: OLM04-REVS

ACSGWMW3914

Lab Code: LIBRTY

Case No.: Q1201

SAS No.:

SDG No.: W1201

Matrix: (soil/water) WATER

Lab Sample ID: W1201-12

Sample wt/vol: 5 (g/mL) ML

Lab File ID: W1201-12A51

Level: (low/med) LOW

Date Received: 09/21/00

% Moisture: not dec. _____

Date Analyzed: 09/23/00

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO. COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-35-4	1,1-Dichloroethene	10	U
156-60-5	trans-1,2-Dichloroethene	2	J
156-59-2	cis-1,2-Dichloroethene	10	U
71-55-6	1,1,1-Trichloroethane	10	U
71-43-2	Benzene	1	J
79-01-6	Trichloroethene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U

FORM I VOA-1

OLM04.2

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: COMPUCHEM

Contract: OLM04-REVS

ACSGWMW3914

Lab Code: LIBRTY Case No.: Q1201 SAS No.: SDG No.: W1201

Matrix: (soil/water) WATER Lab Sample ID: W1201-12

Sample wt/vol: 5 (g/mL) ML Lab File ID: W1201-12A51

Level: (low/med) LOW Date Received: 09/21/00

% Moisture: not dec. Date Analyzed: 09/23/00

GC Column: EQUITY624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
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EPA-CLP METALS

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ACSGWMW3914

Lab Name: COMPUCHEM

Contract: _____

Lab Code: LIBRTY

Case No.: _____

SAS No.: _____

SDG No.: W1201Matrix (soil/water): WATERLab Sample ID: W1201-12Level (low/med): LOWDate Received: 09/21/00Solids: 0.0Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	3.4	U		P
7439-92-1	Lead	2.0	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments: _____

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: COMPUCHEM

Contract: OLM04-REVS

ACSGWMW4014

Lab Code: LIBRTY Case No.: Q1201

SAS No.:

SDG No.: W1201

Matrix: (soil/water) WATER

Lab Sample ID: W1201-4

Sample wt/vol: 5 (g/mL) ML

Lab File ID: W1201-4A51

Level: (low/med) LOW

Date Received: 09/21/00

% Moisture: not dec.

Date Analyzed: 09/22/00

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO. COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-35-4	1,1-Dichloroethene	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
71-55-6	1,1,1-Trichloroethane	10	U
71-43-2	Benzene	10	U
79-01-6	Trichloroethene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

ACSGWMW4014

Lab Name: COMPUCHEM

Contract: OLM04-REVS

Lab Code: LIBRTY Case No.: Q1201 SAS No.: SDG No.: W1201

Matrix: (soil/water) WATER

Lab Sample ID: W1201-4

Sample wt/vol: 5 (g/mL) ML

Lab File ID: W1201-4A51

Level: (low/med) LOW

Date Received: 09/21/00

% Moisture: not dec.

Date Analyzed: 09/22/00

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
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9.				
10.				
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FORM I VOA-TIC

OLM04.2

EPA-CLP METALS

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ACSGWMW4014

Lab Name: COMPUCHEM

Contract: _____

Lab Code: LIBRTY

Case No.: _____

SAS No.: _____

SDG No.: W1201Matrix (soil/water): WATERLab Sample ID: W1201-4Level (low/med): LOWDate Received: 09/21/00% Solids: 0.0Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	3.4	U		P
7439-92-1	Lead	2.3	B		P

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments: _____

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: COMPUCHEM

Contract: OLM04-REVS

ACSGWM4114

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: A1201

Matrix: (soil/water) WATER

Lab Sample ID: A1201-19

Sample wt/vol: 5 (g/mL) ML

Lab File ID: A1201-19A55

Level: (low/med) LOW

Date Received: 09/23/00

% Moisture: not dec. _____

Date Analyzed: 09/28/00

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO. COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-35-4	1,1-Dichloroethene	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
71-55-6	1,1,1-Trichloroethane	10	U
71-43-2	Benzene	10	U
79-01-6	Trichloroethene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: COMPUCHEM

Contract: OLM04-REVS

ACSGWM4114

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: A1201

Matrix: (soil/water) WATER

Lab Sample ID: A1201-19

Sample wt/vol: 5 (g/mL) ML

Lab File ID: A1201-19A55

Level: (low/med) LOW

Date Received: 09/23/00

% Moisture: not dec. _____

Date Analyzed: 09/28/00

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ACSGWMW4114

Lab Name: COMPUCHEM

Contract: _____

Lab Code: LIBRTY

Case No.: _____

SAS No.: _____

SDG No.: A1201Matrix (soil/water): WATERLab Sample ID: A1201-19Level (low/med): LOWDate Received: 09/23/00% Solids: 0.0Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	3.4	U		P
7439-92-1	Lead	2.0	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments: _____

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: COMPUCHEM

Contract: OLM04-REVS

ACSGWM4214

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: A1201

Matrix: (soil/water) WATER

Lab Sample ID: A1201-20

Sample wt/vol: 5 (g/mL) ML

Lab File ID: A1201-20A55

Level: (low/med) LOW

Date Received: 09/23/00

% Moisture: not dec. _____

Date Analyzed: 09/28/00

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-35-4	1,1-Dichloroethene	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
71-55-6	1,1,1-Trichloroethane	10	U
71-43-2	Benzene	10	U
79-01-6	Trichloroethene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

ACSGWM4214

Lab Name: COMPUCHEM

Contract: OLM04-REVS

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: A1201

Matrix: (soil/water) WATER

Lab Sample ID: A1201-20

Sample wt/vol: 5 (g/mL) ML

Lab File ID: A1201-20A55

Level: (low/med) LOW

Date Received: 09/23/00

% Moisture: not dec. _____

Date Analyzed: 09/28/00

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
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U. S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ACSGWMW4214

Lab Name: COMPUCHEM Contract: _____

Lab Code: LIBERTY Case No.: _____ SAS No.: _____ SDG No.: A1201

Matrix (soil/water): WATER Lab Sample ID: A1201-20

Level (low/med): LOW Date Received: 09/23/00

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	5.5	B		P
7439-92-1	Lead	2.0	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments: _____

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: COMPUCHEM

Contract: OLM04-REVS

ACSGWMW4314

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: X1201

Matrix: (soil/water) WATER

Lab Sample ID: X1201-3

Sample wt/vol: 5 (g/mL) ML

Lab File ID: X1201-3A71

Level: (low/med) LOW

Date Received: 09/23/00

% Moisture: not dec. _____

Date Analyzed: 09/26/00

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-35-4	1,1-Dichloroethene	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
71-55-6	1,1,1-Trichloroethane	10	U
71-43-2	Benzene	10	U
79-01-6	Trichloroethene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: COMPUCHEM

Contract: OLM04-REVS

ACSGWMW4314

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: X1201

Matrix: (soil/water) WATER

Lab Sample ID: X1201-3

Sample wt/vol: 5 (g/mL) ML

Lab File ID: X1201-3A71

Level: (low/med) LOW

Date Received: 09/23/00

% Moisture: not dec. _____

Date Analyzed: 09/26/00

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
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EPA-CLP METALS

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ACSGWMW4314

Lab Name: COMPUCHEM

Contract: _____

Lab Code: LIBRTY

Case No.: _____

SAS No.: _____

SDG No.: X1201Matrix (soil/water): WATERLab Sample ID: X1201-3Level (low/med): LOWDate Received: 09/23/00% Solids: 0.0Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	101			P
7439-92-1	Lead	14.7			P

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments: _____

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: COMPUCHEM

Contract: OLM04-REVS

ACSGWMW4414

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: X1201

Matrix: (soil/water) WATER

Lab Sample ID: X1201-4

Sample wt/vol: 5 (g/mL) ML

Lab File ID: X1201-4A71

Level: (low/med) LOW

Date Received: 09/23/00

% Moisture: not dec. _____

Date Analyzed: 09/26/00

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-35-4	1,1-Dichloroethene	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
71-55-6	1,1,1-Trichloroethane	10	U
71-43-2	Benzene	10	U
79-01-6	Trichloroethene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

ACSGWMW4414

Lab Name: COMPUCHEM

Contract: OLM04-REVS

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: X1201

Matrix: (soil/water) WATER

Lab Sample ID: X1201-4

Sample wt/vol: 5 (g/mL) ML

Lab File ID: X1201-4A71

Level: (low/med) LOW

Date Received: 09/23/00

% Moisture: not dec. _____
GC Column: EQUITY624 ID: 0.53 (mm)

Date Analyzed: 09/26/00

Soil Extract Volume: _____ (uL)

Dilution Factor: 1.0

Number TICs found: 0

Soil Aliquot Volume: _____ (uL)
CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
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EPA-CLP METALS

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ACSGWMW4414

Lab Name: COMPUCHEM

Contract: _____

Lab Code: LIBRTY

Case No.: _____

SAS No.: _____

SDG No.: X1201Matrix (soil/water): WATERLab Sample ID: X1201-4Level (low/med): LOWDate Received: 09/23/00% Solids: 0.0Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	15.5			P
7439-92-1	Lead	2.0	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments: _____

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: COMPUCHEM

Contract: OLM04-REVS

ACSGWMW4514

Lab Code: LIBRTY Case No.:

SAS No.: SDG No.: X1201

Matrix: (soil/water) WATER

Lab Sample ID: X1201-5

Sample wt/vol: 5 (g/mL) ML

Lab File ID: X1201-5A71

Level: (low/med) LOW

Date Received: 09/23/00

% Moisture: not dec.

Date Analyzed: 09/27/00

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	10	U
75-01-4	Vinyl Chloride	860	E
75-00-3	Chloroethane	10	U
75-35-4	1,1-Dichloroethene	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
71-55-6	1,1,1-Trichloroethane	10	U
71-43-2	Benzene	43	
79-01-6	Trichloroethene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U

FORM I VOA-1

OLM04.2

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

ACSGWMW4514

Lab Name: COMPUCHEM

Contract: OLM04-REVS

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: X1201

Matrix: (soil/water) WATER

Lab Sample ID: X1201-5

Sample wt/vol: 5 (g/mL) ML

Lab File ID: X1201-5A71

Level: (low/med) LOW

Date Received: 09/23/00

% Moisture: not dec. _____

Date Analyzed: 09/27/00

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 7

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 60-29-7	ETHER	5.40	12	NJ
2.	UNKNOWN	5.73	8	J
3.	UNKNOWN	6.22	13	J
4.	UNKNOWN	6.88	12	J
5. 109-99-9	FURAN, TETRAHYDRO-	7.77	84	NJ
6. 10420-90-3	1,3-HEXADIEN-5-YNE	8.32	77	NJ
7. 123-91-1	1,4-DIOXANE	9.21	8	NJ
8.				
9.				
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VOLATILE ORGANICS ANALYSIS DATA SHEET

1A

EPA SAMPLE NO.

Lab Name: COMPUCHEM

Contract: OLM04-REVS

ACSGWMW4514DL

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: X1201

Matrix: (soil/water) WATER

Lab Sample ID: X1201-5

Sample wt/vol: 5 (g/mL) ML

Lab File ID: X1201-5RA71

Level: (low/med) LOW

Date Received: 09/23/00

% Moisture: not dec. _____

Date Analyzed: 09/27/00

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 5.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	UG/L	Q
75-01-4	Vinyl Chloride	50	U
75-00-3	Chloroethane	820	D
75-35-4	1,1-Dichloroethene	50	U
156-60-5	trans-1,2-Dichloroethene	50	U
156-59-2	cis-1,2-Dichloroethene	50	U
71-55-6	1,1,1-Trichloroethane	50	U
71-43-2	Benzene	46	DJ
79-01-6	Trichloroethene	50	U
79-00-5	1,1,2-Trichloroethane	50	U
127-18-4	Tetrachloroethene	50	U

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: COMPUCHEM

Contract: OLM04-REVS

ACSGWMW4514DL

Lab Code: LIBRTY Case No.:

SAS No.: SDG No.: X1201

Matrix: (soil/water) WATER

Lab Sample ID: X1201-5

Sample wt/vol: 5 (g/mL) ML

Lab File ID: X1201-5RA71

Level: (low/med) LOW

Date Received: 09/23/00

% Moisture: not dec.

Date Analyzed: 09/27/00

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 5.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
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EPA-CLP METALS

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ACSGWMW4514

Lab Name: COMPUCHEM Contract: _____

Lab Code: LIBERTY Case No.: _____ SAS No.: _____ SDG No.: X1201

Matrix (soil/water): WATER Lab Sample ID: X1201-5

Level (low/med): LOW Date Received: 09/23/00

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	47.6			P
7439-92-1	Lead	2.0	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments: _____

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: COMPUCHEM

Contract: OLM04-REVS

ACSGWMW4714

Lab Code: LIBRTY Case No.: Q1201

SAS No.:

SDG No.: W1201

Matrix: (soil/water) WATER

Lab Sample ID: W1201-1

Sample wt/vol: 5 (g/mL) ML

Lab File ID: W1201-1A51

Level: (low/med) LOW

Date Received: 09/21/00

% Moisture: not dec.

Date Analyzed: 09/22/00

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-35-4	1,1-Dichloroethene	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
71-55-6	1,1,1-Trichloroethane	10	U
71-43-2	Benzene	10	U
79-01-6	Trichloroethene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U

FORM I VOA-1

OLM04.2

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

ACSGWMW4714

Lab Name: COMPUCHEM

Contract: OLM04-REVS

Lab Code: LIBRTY Case No.: Q1201 SAS No.: SDG No.: W1201

Matrix: (soil/water) WATER

Lab Sample ID: W1201-1

Sample wt/vol: 5 (g/mL) ML

Lab File ID: W1201-1A51

Level: (low/med) LOW

Date Received: 09/21/00

% Moisture: not dec.

Date Analyzed: 09/22/00

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST.. CONC.	Q
1.				
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EPA-CLP METALS

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ACSGWMW4714

Lab Name: COMPUCHEM Contract: _____

Lab Code: LIBRTY Case No.: _____ SAS No.: _____ SDG No.: W1201

Matrix (soil/water): WATER Lab Sample ID: W1201-1

Level (low/med): LOW Date Received: 09/21/00

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	3.4	U		P
7439-92-1	Lead	2.0	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments: _____

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: COMPUCHEM	Contract: OLM04-REVS	GWMW4814
Lab Code: LIBRTY	Case No.:	SDG No.: C1201
Matrix: (soil/water) WATER	Lab Sample ID: C1201-3	
Sample wt/vol: 5 (g/mL) ML	Lab File ID: C1201-3A55	
Level: (low/med) LOW	Date Received: 09/26/00	
% Moisture: not dec.	Date Analyzed: 09/29/00	
GC Column: EQUITY624 ID: 0.53 (mm)	Dilution Factor: 1.0	
Soil Extract Volume: _____ (uL)	Soil Aliquot Volume: _____ (uL)	

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	10	U
75-01-4	Vinyl Chloride	240	E
75-00-3	Chloroethane	10	U
75-35-4	1,1-Dichloroethene	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
71-55-6	1,1,1-Trichloroethane	10	U
71-43-2	Benzene	740	E
79-01-6	Trichloroethene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

GWMW4814

Lab Name: COMPUCHEM

Contract: OLM04-REVS

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: C1201

Matrix: (soil/water) WATER

Lab Sample ID: C1201-3

Sample wt/vol: 5 (g/mL) ML

Lab File ID: C1201-3A55

Level: (low/med) LOW

Date Received: 09/26/00

% Moisture: not dec.

Date Analyzed: 09/29/00

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 352-93-2	DIETHYL SULFIDE	12.51	36	NJ
2.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: COMPUCHEM	Contract: OLM04-REVS	GWMW4814DL
Lab Code: LIBRTY Case No.:	SAS No.:	SDG No.: C1201
Matrix: (soil/water) WATER	Lab Sample ID: C1201-3	
Sample wt/vol: 5 (g/mL) ML	Lab File ID: C1201-3D3A55	
Level: (low/med) LOW	Date Received: 09/26/00	
% Moisture: not dec.	Date Analyzed: 10/02/00	
GC Column: EQUITY624 ID: 0.53 (mm)	Dilution Factor: 50.0	
Soil Extract Volume: _____ (uL)	Soil Aliquot Volume: _____ (uL)	

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	500	U
75-01-4	Vinyl Chloride	100	DJ
75-00-3	Chloroethane	500	U
75-35-4	1,1-Dichloroethene	500	U
156-60-5	trans-1,2-Dichloroethene	500	U
156-59-2	cis-1,2-Dichloroethene	500	U
71-55-6	1,1,1-Trichloroethane	500	U
71-43-2	Benzene	4100	D
79-01-6	Trichloroethene	500	U
79-00-5	1,1,2-Trichloroethane	500	U
127-18-4	Tetrachloroethene	500	U

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

GWMW4814DL

Lab Name: COMPUCHEM

Contract: OLM04-REVS

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: C1201

Matrix: (soil/water) WATER

Lab Sample ID: C1201-3

Sample wt/vol: 5 (g/mL) ML

Lab File ID: C1201-3D3A55

Level: (low/med) LOW

Date Received: 09/26/00

% Moisture: not dec.

Date Analyzed: 10/02/00

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 50.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

GWMW4814

Lab Name: COMPUCHEM Contract: _____

Lab Code: LIBRTY Case No.: _____ SAS No.: _____ SDG No.: C1201

Matrix (soil/water): WATER Lab Sample ID: C1201-3

Level (low/med): LOW Date Received: 09/26/00

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	7.8	B		P
7439-92-1	Lead	2.0	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments: _____

12

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: COMPUCHEM

Contract: OLM04-REVS

ACSGWM4914

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: A1201

Matrix: (soil/water) WATER

Lab Sample ID: A1201-12

Sample wt/vol: 5 (g/mL) ML

Lab File ID: A1201-12B55

Level: (low/med) LOW

Date Received: 09/23/00

% Moisture: not dec. _____

Date Analyzed: 09/28/00

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	10	U
75-01-4	Vinyl Chloride	250	E
75-00-3	Chloroethane	10	U
75-35-4	1,1-Dichloroethene	1	J
156-60-5	trans-1,2-Dichloroethene	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
71-55-6	1,1,1-Trichloroethane	430	E
71-43-2	Benzene	10	U
79-01-6	Trichloroethene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: COMPUCHEM

Contract: OLM04-REVS

ACSGWM4914

Lab Code: LIBERTY Case No.:

SAS No.:

SDG No.: A1201

Matrix: (soil/water) WATER

Lab Sample ID: A1201-12

Sample wt/vol: 5 (g/mL) ML

Lab File ID: A1201-12B55

Level: (low/med) LOW

Date Received: 09/23/00

% Moisture: not dec.

Date Analyzed: 09/28/00

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 352-93-2	DIETHYL SULFIDE	12.53	8	NJ
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FORM I VOA-TIC

OLM04.2

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: COMPUCHEM

Contract: OLM04-REVS

ACSGWM4914DL

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: A1201

Matrix: (soil/water) WATER

Lab Sample ID: A1201-12

Sample wt/vol: 5 (g/mL) ML

Lab File ID: A1201-12DA55

Level: (low/med) LOW

Date Received: 09/23/00

% Moisture: not dec.

Date Analyzed: 09/28/00

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 5.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND			
75-01-4	Vinyl Chloride	50	U	
75-00-3	Chloroethane	220	D	
75-35-4	1,1-Dichloroethene	50	U	
156-60-5	trans-1,2-Dichloroethene	50	U	
156-59-2	cis-1,2-Dichloroethene	50	U	
71-55-6	1,1,1-Trichloroethane	50	U	
71-43-2	Benzene	630	D	
79-01-6	Trichloroethene	50	U	
79-00-5	1,1,2-Trichloroethane	50	U	
127-18-4	Tetrachloroethene	50	U	

FORM I VOA-1

OLM04.2

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: COMPUCHEM

Contract: OLM04-REVS

ACSGWM4914DL

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: A1201

Matrix: (soil/water) WATER

Lab Sample ID: A1201-12

Sample wt/vol: 5 (g/mL) ML

Lab File ID: A1201-12DA55

Level: (low/med) LOW

Date Received: 09/23/00

% Moisture: not dec. _____

Date Analyzed: 09/28/00

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 5.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
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FORM I VOA-TIC

OLM04.2

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ACSGWMW4914

Lab Name: COMPUCHEM

Contract: _____

Lab Code: LIBRTY

Case No.: _____

SAS No.: _____

SDG No.: A1201Matrix (soil/water): WATERLab Sample ID: A1201-12Level (low/med): LOWDate Received: 09/23/00% Solids: 0.0Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	24.1			P
7439-92-1	Lead	2.0	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments: _____

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ACSGWTB0114

Lab Name: COMPUCHEM

Contract: OLM04-REVS

Lab Code: LIBRTY Case No.: Q1201 SAS No.: SDG No.: W1201

Matrix: (soil/water) WATER Lab Sample ID: W1201-10

Sample wt/vol: 5 (g/mL) ML

Lab File ID: W1201-10A51

Level: (low/med) LOW

Date Received: 09/21/00

% Moisture: not dec.

Date Analyzed: 09/23/00

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO. COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-35-4	1,1-Dichloroethene	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
71-55-6	1,1,1-Trichloroethane	10	U
71-43-2	Benzene	10	U
79-01-6	Trichloroethene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

ACSGWTB0114

Lab Name: COMPUCHEM

Contract: OLM04-REVS

Lab Code: LIBRTY Case No.: Q1201 SAS No.: SDG No.: W1201

Matrix: (soil/water) WATER Lab Sample ID: W1201-10

Sample wt/vol: 5 (g/mL) ML Lab File ID: W1201-10A51

Level: (low/med) LOW Date Received: 09/21/00

% Moisture: not dec. Date Analyzed: 09/23/00

GC Column: EQUITY624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 0 CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: COMPUCHEM

Contract: OLM04-REVS

ACSGWTB0214

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: A1201

Matrix: (soil/water) WATER

Lab Sample ID: A1201-1

Sample wt/vol: 5 (g/mL) ML

Lab File ID: A1201-1B55

Level: (low/med) LOW %

Date Received: 09/23/00

% Moisture: not dec. _____

Date Analyzed: 09/27/00

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-35-4	1,1-Dichloroethene	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
71-55-6	1,1,1-Trichloroethane	10	U
71-43-2	Benzene	10	U
79-01-6	Trichloroethene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: COMPUCHEM

Contract: OLM04-REVS

ACSGWTB0214

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: A1201

Matrix: (soil/water) WATER

Lab Sample ID: A1201-1

Sample wt/vol: 5 (g/mL) ML

Lab File ID: A1201-1B55

Level: (low/med) LOW

Date Received: 09/23/00

% Moisture: not dec. _____

Date Analyzed: 09/27/00

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ACSGWFB01-14

Lab Name: COMPUCHEM

Contract: OLM04-REVS

Lab Code: LIBRTY Case No.: Q1201

SAS No.: SDG No.: W1201

Matrix: (soil/water) WATER

Lab Sample ID: W1201-20

Sample wt/vol: 5 (g/mL) ML

Lab File ID: W1201-20A51

Level: (low/med) LOW

Date Received: 09/21/00

% Moisture: not dec.

Date Analyzed: 09/23/00

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO. COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-35-4	1,1-Dichloroethene	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
71-55-6	1,1,1-Trichloroethane	10	U
71-43-2	Benzene	10	U
79-01-6	Trichloroethene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U

FORM I VOA-1

OLM04.2

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: COMPUCHEM

Contract: OLM04-REVS

ACSGWFB01-14

Lab Code: LIBERTY Case No.: Q1201 SAS No.: SDG No.: W1201

Matrix: (soil/water) WATER Lab Sample ID: W1201-20

Sample wt/vol: 5 (g/mL) ML Lab File ID: W1201-20A51

Level: (low/med) LOW Date Received: 09/21/00

% Moisture: not dec. Date Analyzed: 09/23/00

GC Column: EQUITY624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 0 CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
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EPA-CLP METALS

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ACSGWFB01-14

Lab Name: COMPUCHEM

Contract: _____

Lab Code: LIBRTY

Case No.: _____

SAS No.: _____

SDG No.: W1201Matrix (soil/water): WATERLab Sample ID: W1201-20Level (low/med): LOWDate Received: 09/21/00Solids: 0.0Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	3.4	U		P
7439-92-1	Lead	2.0	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments: _____

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: COMPUCHEM

Contract: OLM04-REVS

Lab Code: LIBRTY Case No.:

ACSGWFB0114

Matrix: (soil/water) WATER

Lab Sample ID: X1201-6

Sample wt/vol: 5 (g/mL) ML

Lab File ID: X1201-6RA71

Level: (low/med) LOW

Date Received: 09/23/00

% Moisture: not dec. _____

Date Analyzed: 09/27/00

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-35-4	1,1-Dichloroethene	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
71-55-6	1,1,1-Trichloroethane	10	U
71-43-2	Benzene	10	U
79-01-6	Trichloroethene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

ACSGWFB0114

Lab Name: COMPUCHEM

Contract: OLM04-REVS

Lab Code: LIBRTY Case No.:

SAS No.: SDG No.: X1201

Matrix: (soil/water) WATER

Lab Sample ID: X1201-6

Sample wt/vol: 5 (g/mL) ML

Lab File ID: X1201-6RA71

Level: (low/med) LOW

Date Received: 09/23/00

% Moisture: not dec. _____

Date Analyzed: 09/27/00

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
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EPA-CLP METALS

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ACSGWFB01-14

Lab Name: COMPUCHEM

Contract: _____

Lab Code: LIBRTY

Case No.: _____

SAS No.: _____

SDG No.: X1201Matrix (soil/water): WATERLab Sample ID: X1201-6Level (low/med): LOWDate Received: 09/23/00% Solids: 0.0Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	3.4	U		P
7439-92-1	Lead	2.0	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments: _____

EPA-CLP METALS

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ACSGWFB01

Lab Name: COMPUCHEM

Contract: _____

Lab Code: LIBRTY

Case No.: _____

SAS No.: _____

SDG No.: X1201Matrix (soil/water): WATERLab Sample ID: X1201-6Level (low/med): LOWDate Received: 09/23/00% Solids: 0.0Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	3.4	U		P
7439-92-1	Lead	2.0	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments: _____

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: COMPUCHEM

Contract: OLM04-REVS

ACSGWFB0214

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: A1201

Matrix: (soil/water) WATER

Lab Sample ID: A1201-5

Sample wt/vol: 5 (g/mL) ML

Lab File ID: A1201-5B55

Level: (low/med) LOW

Date Received: 09/23/00

% Moisture: not dec. _____

Date Analyzed: 09/27/00

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO. COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-35-4	1,1-Dichloroethene	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
71-55-6	1,1,1-Trichloroethane	10	U
71-43-2	Benzene	10	U
79-01-6	Trichloroethene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: COMPUCHEM

Contract: OLM04-REVS

ACSGWFB0214

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: A1201

Matrix: (soil/water) WATER

Lab Sample ID: A1201-5

Sample wt/vol: 5 (g/mL) ML

Lab File ID: A1201-5B55

Level: (low/med) LOW

Date Received: 09/23/00

% Moisture: not dec.

Date Analyzed: 09/27/00

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ACSGWFB0214

Lab Name: COMPUCHEM Contract: _____

Lab Code: LIBRTY Case No.: _____ SAS No.: _____ SDG No.: A1201

Matrix (soil/water): WATER Lab Sample ID: A1201-5

Level (low/med): LOW Date Received: 09/23/00

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	3.4	U		P
7439-92-1	Lead	2.0	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments: _____

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: COMPUCHEM

Contract: OLM04-REVS

ACSGWFB0414

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: A1201

Matrix: (soil/water) WATER

Lab Sample ID: A1201-15

Sample wt/vol: 5 (g/mL) ML

Lab File ID: A1201-15A55

Level: (low/med) LOW

Date Received: 09/23/00

% Moisture: not dec. _____

Date Analyzed: 09/28/00

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO. COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-35-4	1,1-Dichloroethene	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
71-55-6	1,1,1-Trichloroethane	10	U
71-43-2	Benzene	10	U
79-01-6	Trichloroethene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: COMPUCHEM

Contract: OLM04-REVS

ACSGWFB0414

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: A1201

Matrix: (soil/water) WATER

Lab Sample ID: A1201-15

Sample wt/vol: 5 (g/mL) ML

Lab File ID: A1201-15A55

Level: (low/med) LOW

Date Received: 09/23/00

% Moisture: not dec.

Date Analyzed: 09/28/00

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
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U. S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ACSGWFB0414

Lab Name: COMPUCHEM Contract: _____

Lab Code: LIBRTY Case No.: _____ SAS No.: _____ SDG No.: A1201

Matrix (soil/water): WATER Lab Sample ID: A1201-15

Level (low/med): LOW Date Received: 09/23/00

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	3.4	U		P
7439-92-1	Lead	2.0	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments: _____

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: COMPUCHEM

Contract: OLM04-REVS

GWFB0514

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: C1201

Matrix: (soil/water) WATER

Lab Sample ID: C1201-4

Sample wt/vol: 5 (g/mL) ML

Lab File ID: C1201-4A55

Level: (low/med) LOW

Date Received: 09/26/00

% Moisture: not dec. _____

Date Analyzed: 09/29/00

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

CAS NO. COMPOUND

75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-35-4	1,1-Dichloroethene	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
71-55-6	1,1,1-Trichloroethane	10	U
71-43-2	Benzene	2	J
79-01-6	Trichloroethene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

GWFB0514

Lab Name: COMPUCHEM

Contract: OLM04-REVS

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: C1201

Matrix: (soil/water) WATER

Lab Sample ID: C1201-4

Sample wt/vol: 5 (g/mL) ML

Lab File ID: C1201-4A55

Level: (low/med) LOW

Date Received: 09/26/00

% Moisture: not dec. _____

Date Analyzed: 09/29/00

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

GWFB0514

Lab Name: COMPUCHEM Contract: _____

Lab Code: LIBERTY Case No.: _____ SAS No.: _____ SDG No.: C1201

Matrix (soil/water): WATER Lab Sample ID: C1201-4

Level (low/med): LOW Date Received: 09/26/00

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	3.4	U		P
7439-92-1	Lead	2.0	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments: _____

11



APPENDIX D

VALIDATION NARRATIVE AND LABORATORY REPORTS FROM LOWER AQUIFER

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: COMPUCHEM

Contract: OLM04-REVS

ACSGWM4D14

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: A1201

Matrix: (soil/water) WATER

Lab Sample ID: A1201-3

Sample wt/vol: 5 (g/mL) ML

Lab File ID: A1201-3B55

Level: (low/med) LOW

Date Received: 09/23/00

% Moisture: not dec. _____

Date Analyzed: 09/27/00

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-35-4	1,1-Dichloroethene	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
71-55-6	1,1,1-Trichloroethane	10	U
71-43-2	Benzene	10	U
79-01-6	Trichloroethene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: COMPUTECH

Contract: OLM04-REVS

ACSGWM4D14

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: A1201

Matrix: (soil/water) WATER

Lab Sample ID: A1201-3

Sample wt/vol: 5 (g/mL) ML

Lab File ID: A1201-3B55

Level: (low/med) LOW

Date Received: 09/23/00

% Moisture: not dec.

Date Analyzed: 09/27/00

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
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U. S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ACSGWMW4D14

Lab Name: COMPUCHEM

Contract: _____

Lab Code: LIBERTY

Case No.: _____

SAS No.: _____

SDG No.: A1201Matrix (soil/water): WATERLab Sample ID: A1201-3Level (low/med): LOWDate Received: 09/23/00% Solids: 0.0Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	3.4	U		P
7439-92-1	Lead	2.0	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments: _____

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: COMPUCHEM

Contract: OLM04-REVS

ACSGWM0814

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: A1201

Matrix: (soil/water) WATER

Lab Sample ID: A1201-8

Sample wt/vol: 5 (g/mL) ML

Lab File ID: A1201-8B55

Level: (low/med) LOW

Date Received: 09/23/00

% Moisture: not dec. _____

Date Analyzed: 09/27/00

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-35-4	1,1-Dichloroethene	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
71-55-6	1,1,1-Trichloroethane	10	U
71-43-2	Benzene	10	U
79-01-6	Trichloroethene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: COMPUCHEM

Contract: OLM04-REVS

ACSGWM0814

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: A1201

Matrix: (soil/water) WATER

Lab Sample ID: A1201-8

Sample wt/vol: 5 (g/mL) ML

Lab File ID: A1201-8B55

Level: (low/med) LOW

Date Received: 09/23/00

% Moisture: not dec. _____

Date Analyzed: 09/27/00

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
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U. S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ACSGWMW0814

Lab Name: COMPUCHEM Contract: _____

Lab Code: LIBRTY Case No.: _____ SAS No.: _____ SDG No.: A1201

Matrix (soil/water): WATER Lab Sample ID: A1201-8

Level (low/med): LOW Date Received: 09/23/00

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	4.2	B		P
7439-92-1	Lead	2.0	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments: _____

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: COMPUCHEM

Contract: OLM04-REVS

ACSGWM09R14

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: A1201

Matrix: (soil/water) WATER

Lab Sample ID: A1201-18

Sample wt/vol: 5 (g/mL) ML

Lab File ID: A1201-18A55

Level: (low/med) LOW

Date Received: 09/23/00

% Moisture: not dec. _____

Date Analyzed: 09/28/00

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO. COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	890	E
75-35-4	1,1-Dichloroethene	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
71-55-6	1,1,1-Trichloroethane	10	U
71-43-2	Benzene	65	
79-01-6	Trichloroethene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: COMPUCHEM

Contract: OLM04-REVS

ACSGWM09R14

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: A1201

Matrix: (soil/water) WATER

Lab Sample ID: A1201-18

Sample wt/vol: 5 (g/mL) ML

Lab File ID: A1201-18A55

Level: (low/med) LOW

Date Received: 09/23/00

% Moisture: not dec. _____

Date Analyzed: 09/28/00

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 111-43-3	DI-N-PROPYL ETHER	11.97	15	NJ
2.				
3.				
4.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: COMPUCHEM

Contract: OLM04-REVS

ACSGWM09R14DL

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: A1201

Matrix: (soil/water) WATER

Lab Sample ID: A1201-18

Sample wt/vol: 5 (g/mL) ML

Lab File ID: A1201-18DA55

Level: (low/med) LOW

Date Received: 09/23/00

% Moisture: not dec. _____

Date Analyzed: 09/28/00

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 10.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO. COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

75-01-4	Vinyl Chloride	100	U
75-00-3	Chloroethane	970	D
75-35-4	1,1-Dichloroethene	100	U
156-60-5	trans-1,2-Dichloroethene	100	U
156-59-2	cis-1,2-Dichloroethene	100	U
71-55-6	1,1,1-Trichloroethane	100	U
71-43-2	Benzene	66	DJ
79-01-6	Trichloroethene	100	U
79-00-5	1,1,2-Trichloroethane	100	U
127-18-4	Tetrachloroethene	100	U

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

ACSGWM09R14DL

Lab Name: COMPUCHEM

Contract: OLM04-REVS

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: A1201

Matrix: (soil/water) WATER

Lab Sample ID: A1201-18

Sample wt/vol: 5 (g/mL) ML

Lab File ID: A1201-18DA55

Level: (low/med) LOW

Date Received: 09/23/00

% Moisture: not dec. _____

Date Analyzed: 09/28/00

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 10.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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U. S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ACSGWMW09R14

Lab Name: COMPUCHEM

Contract: _____

Lab Code: LIBRTY

Case No.: _____

SAS No.: _____

SDG No.: A1201Matrix (soil/water): WATERLab Sample ID: A1201-18Level (low/med): LOWDate Received: 09/23/00% Solids: 0.0Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	3.4	U		P
7439-92-1	Lead	2.0	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments: _____

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: COMPUCHEM

Contract: OLM04-REVS

ACSGWM10C14

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: A1201

Matrix: (soil/water) WATER

Lab Sample ID: A1201-16

Sample wt/vol: 5 (g/mL) ML

Lab File ID: A1201-16A55

Level: (low/med) LOW

Date Received: 09/23/00

% Moisture: not dec. _____

Date Analyzed: 09/28/00

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO. COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	600	E
75-35-4	1,1-Dichloroethene	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
71-55-6	1,1,1-Trichloroethane	10	U
71-43-2	Benzene	380	E
79-01-6	Trichloroethene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: COMPUTECH

Contract: OLM04-REVS

ACSGWM10C14

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: A1201

Matrix: (soil/water) WATER

Lab Sample ID: A1201-16

Sample wt/vol: 5 (g/mL) ML

Lab File ID: A1201-16A55

Level: (low/med) LOW

Date Received: 09/23/00

% Moisture: not dec.

Date Analyzed: 09/28/00

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 3

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 60-29-7	ETHER	7.62	770	NJ
2. 109-99-9	FURAN, TETRAHYDRO-	11.05	59	NJ
3. 123-91-1	1,4-DIOXANE	12.94	6	NJ
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: COMPUCHEM

Contract: OLM04-REVS

ACSGWM10C14DL

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: A1201

Matrix: (soil/water) WATER

Lab Sample ID: A1201-16

Sample wt/vol: 5 (g/mL) ML

Lab File ID: A1201-16DA55

Level: (low/med) LOW

Date Received: 09/23/00

% Moisture: not dec. _____

Date Analyzed: 09/28/00

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 5.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	50	U
75-01-4	Vinyl Chloride	50	U
75-00-3	Chloroethane	630	D
75-35-4	1,1-Dichloroethene	50	U
156-60-5	trans-1,2-Dichloroethene	50	U
156-59-2	cis-1,2-Dichloroethene	50	U
71-55-6	1,1,1-Trichloroethane	50	U
71-43-2	Benzene	520	D
79-01-6	Trichloroethene	50	U
79-00-5	1,1,2-Trichloroethane	50	U
127-18-4	Tetrachloroethene	50	U

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: COMPUCHEM

Contract: OLM04-REVS

ACSGWM10C14DL

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: A1201

Matrix: (soil/water) WATER

Lab Sample ID: A1201-16

Sample wt/vol: 5 (g/mL) ML

Lab File ID: A1201-16DA55

Level: (low/med) LOW

Date Received: 09/23/00

% Moisture: not dec.

Date Analyzed: 09/28/00

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 5.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

Number TICs found: 2

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 60-29-7	ETHER	7.61	1000	NJD
2. 109-99-9	FURAN, TETRAHYDRO-	10.96	250	NJD
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U. S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ACSGWMW10C14

Lab Name: COMPUCHEM Contract: _____

Lab Code: LIBERTY Case No.: _____ SAS No.: _____ SDG No.: A1201

Matrix (soil/water): WATER Lab Sample ID: A1201-16

Level (low/med): LOW Date Received: 09/23/00

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	3.4	U		P
7439-92-1	Lead	2.0	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments: _____

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: COMPUCHEM

Contract: OLM04-REVS

ACSGWMW2314

Lab Code: LIBRTY Case No.: Q1201 SAS No.: SDG No.: W1201

Matrix: (soil/water) WATER Lab Sample ID: W1201-18

Sample wt/vol: 5 (g/mL) ML Lab File ID: W1201-18A51

Level: (low/med) LOW Date Received: 09/21/00

% Moisture: not dec. Date Analyzed: 09/23/00

GC Column: EQUITY624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO. COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-35-4	1,1-Dichloroethene	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
71-55-6	1,1,1-Trichloroethane	10	U
71-43-2	Benzene	10	U
79-01-6	Trichloroethene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: COMPUCHEM

Contract: OLM04-REVS

ACSGWMW2314

Lab Code: LIBRTY Case No.: Q1201 SAS No.: SDG No.: W1201

Matrix: (soil/water) WATER Lab Sample ID: W1201-18

Sample wt/vol: 5 (g/mL) ML Lab File ID: W1201-18A51

Level: (low/med) LOW Date Received: 09/21/00

% Moisture: not dec. Date Analyzed: 09/23/00

GC Column: EQUITY624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 60-29-7	ETHER	5.43	8	NJ
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EPA-CLP METALS

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ACSGWMW2314

Lab Name: COMPUCHEM Contract: _____
Lab Code: LIBERTY Case No.: _____ SAS No.: _____ SDG No.: W1201
Matrix (soil/water): WATER Lab Sample ID: W1201-18
Level (low/med): LOW Date Received: 09/21/00
Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	3.4	U		P
7439-92-1	Lead	2.0	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____Color After: COLORLESS Clarity After: CLEAR Artifacts: _____Comments: _____

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: COMPUCHEM

Contract: OLM04-REVS

ACSGWMW23914

Lab Code: LIBRTY Case No.: Q1201 SAS No.: SDG No.: W1201

Matrix: (soil/water) WATER Lab Sample ID: W1201-19

Sample wt/vol: 5 (g/mL) ML Lab File ID: W1201-19RA51

Level: (low/med) LOW Date Received: 09/21/00

% Moisture: not dec. Date Analyzed: 09/25/00

GC Column: EQUITY624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO. COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-35-4	1,1-Dichloroethene	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
71-55-6	1,1,1-Trichloroethane	10	U
71-43-2	Benzene	10	U
79-01-6	Trichloroethene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U

FORM I VOA-1

OLM04.2

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

ACSGWMW23914

Lab Name: COMPUCHEM

Contract: OLM04-REVS

Lab Code: LIBRTY Case No.: Q1201

SAS No.:

SDG No.: W1201

Matrix: (soil/water) WATER

Lab Sample ID: W1201-19

Sample wt/vol: 5 (g/mL) ML

Lab File ID: W1201-19RA51

Level: (low/med) LOW

Date Received: 09/21/00

% Moisture: not dec.

Date Analyzed: 09/25/00

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 60-29-7	ETHER	5.45	6	NJ
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FORM I VOA-TIC

OLM04.2

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: COMPUCHEM

Contract: OLM04-REVS

ACSGWMW23914RE

Lab Code: LIBRTY Case No.: Q1201 SAS No.: SDG No.: W1201

Matrix: (soil/water) WATER Lab Sample ID: W1201-19

Sample wt/vol: 5 (g/mL) ML Lab File ID: W1201-19R2A51

Level: (low/med) LOW Date Received: 09/21/00

% Moisture: not dec. Date Analyzed: 09/25/00

GC Column: EQUITY624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-35-4	1,1-Dichloroethene	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
71-55-6	1,1,1-Trichloroethane	10	U
71-43-2	Benzene	10	U
79-01-6	Trichloroethene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U

FORM I VOA-1

OLM04.2

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

ACSGWMW23914RE

Lab Name: COMPUCHEM Contract: OLM04-REVS
 Lab Code: LIBRTY Case No.: Q1201 SAS No.: SDG No.: W1201
 Matrix: (soil/water) WATER Lab Sample ID: W1201-19
 Sample wt/vol: 5 (g/mL) ML Lab File ID: W1201-19R2A51
 Level: (low/med) LOW Date Received: 09/21/00
 % Moisture: not dec. Date Analyzed: 09/25/00
 GC Column: EQUITY624 ID: 0.53 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)
 Number TICs found: 0 CONCENTRATION UNITS:
 (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
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FORM I VOA-TIC

OLM04.2

EPA-CLP METALS

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ACSGWMW23914

Lab Name: COMPUCHEM Contract: _____

Lab Code: LIBRTY Case No.: _____ SAS No.: _____ SDG No.: W1201

Matrix (soil/water): WATER Lab Sample ID: W1201-19

Level (low/med): LOW Date Received: 09/21/00

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	3.4	U		P
7439-92-1	Lead	2.0	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments: _____

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ACSGWMW2414

Lab Name: COMPUCHEM

Contract: OLM04-REVS

Lab Code: LIBRTY Case No.: Q1201

SAS No.: SDG No.: W1201

Matrix: (soil/water) WATER

Lab Sample ID: W1201-13

Sample wt/vol: 5 (g/mL) ML

Lab File ID: W1201-13RA51

Level: (low/med) LOW

Date Received: 09/21/00

% Moisture: not dec.

Date Analyzed: 09/23/00

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO. COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-35-4	1,1-Dichloroethene	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
71-55-6	1,1,1-Trichloroethane	10	U
71-43-2	Benzene	10	U
79-01-6	Trichloroethene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

ACSGWMW2414

Lab Name: COMPUCHEM	Contract: OLM04-REVS	
Lab Code: LIBRTY Case No.: Q1201	SAS No.:	SDG No.: W1201
Matrix: (soil/water) WATER	Lab Sample ID: W1201-13	
Sample wt/vol: 5 (g/mL) ML	Lab File ID: W1201-13RA51	
Level: (low/med) LOW	Date Received: 09/21/00	
% Moisture: not dec.	Date Analyzed: 09/23/00	
GC Column: EQUITY624 ID: 0.53 (mm)	Dilution Factor: 1.0	
Soil Extract Volume: _____ (uL)	Soil Aliquot Volume: _____ (uL)	
Number TICs found: 0	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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EPA-CLP METALS

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ACSGWMW2414

Lab Name: COMPUCHEM

Contract: _____

Lab Code: LIBRTY

Case No.: _____

SAS No.: _____

SDG No.: W1201Matrix (soil/water): WATERLab Sample ID: W1201-13Level (low/med): LOWDate Received: 09/21/00Solids: 0.0Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	3.4	U		P
7439-92-1	Lead	2.0	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments: _____

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: COMPUCHEM

Contract: OLM04-REVS

ACSGWMW2814

Lab Code: LIBRTY Case No.: Q1201 SAS No.: SDG No.: W1201

Matrix: (soil/water) WATER Lab Sample ID: W1201-2

Sample wt/vol: 5 (g/mL) ML Lab File ID: W1201-2A51

Level: (low/med) LOW Date Received: 09/21/00

% Moisture: not dec. Date Analyzed: 09/22/00

GC Column: EQUITY624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO. COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-35-4	1,1-Dichloroethene	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
71-55-6	1,1,1-Trichloroethane	10	U
71-43-2	Benzene	10	U
79-01-6	Trichloroethene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U

FORM I VOA-1

OLM04.2

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

ACSGWMW2814

Lab Name: COMPUCHEM

Contract: OLM04-REVS

Lab Code: LIBRTY Case No.: Q1201 SAS No.: SDG No.: W1201

Matrix: (soil/water) WATER

Lab Sample ID: W1201-2

Sample wt/vol: 5 (g/mL) ML

Lab File ID: W1201-2A51

Level: (low/med) LOW

Date Received: 09/21/00

% Moisture: not dec.

Date Analyzed: 09/22/00

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
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FORM I VOA-TIC

OLM04.2

EPA-CLP METALS

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ACSGWMW2814

Lab Name: COMPUCHEM Contract: _____

Lab Code: LIBRTY Case No.: _____ SAS No.: _____ SDG No.: W1201

Matrix (soil/water): WATER Lab Sample ID: W1201-2

Level (low/med): LOW Date Received: 09/21/00

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	3.4	U		P
7439-92-1	Lead	3.4			P

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____Color After: COLORLESS Clarity After: CLEAR Artifacts: _____Comments: _____

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: COMPUCHEM

Contract: OLM04-REVS

ACSGWM2914

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: A1201

Matrix: (soil/water) WATER

Lab Sample ID: A1201-17

Sample wt/vol: 5 (g/mL) ML

Lab File ID: A1201-17A55

Level: (low/med) LOW

Date Received: 09/23/00

% Moisture: not dec. _____

Date Analyzed: 09/28/00

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO. COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	2	J
75-35-4	1,1-Dichloroethene	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
71-55-6	1,1,1-Trichloroethane	10	U
71-43-2	Benzene	10	U
79-01-6	Trichloroethene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: COMPUCHEM

Contract: OLM04-REVS

ACSGWM2914

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: A1201

Matrix: (soil/water) WATER

Lab Sample ID: A1201-17

Sample wt/vol: 5 (g/mL) ML

Lab File ID: A1201-17A55

Level: (low/med) LOW

Date Received: 09/23/00

% Moisture: not dec.

Date Analyzed: 09/28/00

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
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U. S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ACSGWMW2914

Lab Name: COMPUCHEM Contract: _____

Lab Code: LIBRTY Case No.: _____ SAS No.: _____ SDG No.: A1201

Matrix (soil/water): WATER Lab Sample ID: A1201-17

Level (low/med): LOW Date Received: 09/23/00

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	3.4	U		P
7439-92-1	Lead	2.0	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments: _____

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: COMPUCHEM

Contract: OLM04-REVS

ACSGWMW3014

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: X1201

Matrix: (soil/water) WATER

Lab Sample ID: X1201-9

Sample wt/vol: 5 (g/mL) ML

Lab File ID: X1201-9A71

Level: (low/med) LOW

Date Received: 09/23/00

% Moisture: not dec. _____

Date Analyzed: 09/27/00

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-35-4	1,1-Dichloroethene	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
71-55-6	1,1,1-Trichloroethane	10	U
71-43-2	Benzene	3	J
79-01-6	Trichloroethene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U

FORM I VOA-1

OLM04.2

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

ACSGWMW3014

Lab Name: COMPUCHEM

Contract: OLM04-REVS

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: X1201

Matrix: (soil/water) WATER

Lab Sample ID: X1201-9

Sample wt/vol: 5 (g/mL) ML

Lab File ID: X1201-9A71

Level: (low/med) LOW

Date Received: 09/23/00

% Moisture: not dec. _____

Date Analyzed: 09/27/00

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 123-91-1	1, 4-DIOXANE	9.21	5	NJ
2.				
3.				
4.				
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EPA-CLP METALS

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ACSGWMW3014

Lab Name: COMPUCHEM

Contract: _____

Lab Code: LIBRTY

Case No.: _____

SAS No.: _____

SDG No.: X1201Matrix (soil/water): WATERLab Sample ID: X1201-9Level (low/med): LOWDate Received: 09/23/00% Solids: 0.0Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	3.4	U		P
7439-92-1	Lead	2.0	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments: _____

11

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: COMPUCHEM

Contract: OLM04-REVS

ACSGWM3114

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: A1201

Matrix: (soil/water) WATER

Lab Sample ID: A1201-7

Sample wt/vol: 5 (g/mL) ML

Lab File ID: A1201-7B55

Level: (low/med) LOW

Date Received: 09/23/00

% Moisture: not dec. _____

Date Analyzed: 09/27/00

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO. COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-35-4	1,1-Dichloroethene	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
71-55-6	1,1,1-Trichloroethane	10	U
71-43-2	Benzene	10	U
79-01-6	Trichloroethene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: COMPUCHEM

Contract: OLM04-REVS

ACSGWM3114

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: A1201

Matrix: (soil/water) WATER

Lab Sample ID: A1201-7

Sample wt/vol: 5 (g/mL) ML

Lab File ID: A1201-7B55

Level: (low/med) LOW

Date Received: 09/23/00

% Moisture: not dec.

Date Analyzed: 09/27/00

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
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6.				
7.				
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U. S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ACSGWMW3114

Lab Name: COMPUCHEM

Contract: _____

Lab Code: LIBRTY

Case No.: _____

SAS No.: _____

SDG No.: A1201Matrix (soil/water): WATERLab Sample ID: A1201-7Level (low/med): LOWDate Received: 09/23/00% Solids: 0.0Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	3.8	B		P
7439-92-1	Lead	2.0	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments: _____

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: COMPUCHEM

Contract: OLM04-REVS

ACSGWM3214

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: A1201

Matrix: (soil/water) WATER

Lab Sample ID: A1201-6

Sample wt/vol: 5 (g/mL) ML

Lab File ID: A1201-6B55

Level: (low/med) LOW

Date Received: 09/23/00

% Moisture: not dec. _____

Date Analyzed: 09/27/00

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-35-4	1,1-Dichloroethene	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
71-55-6	1,1,1-Trichloroethane	10	U
71-43-2	Benzene	10	U
79-01-6	Trichloroethene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: COMPUCHEM

Contract: OLM04-REVS

ACSGWM3214

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: A1201

Matrix: (soil/water) WATER

Lab Sample ID: A1201-6

Sample wt/vol: 5 (g/mL) ML

Lab File ID: A1201-6B55

Level: (low/med) LOW

Date Received: 09/23/00

% Moisture: not dec.

Date Analyzed: 09/27/00

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
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U. S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ACSGWMW3214

Lab Name: COMPUCHEM Contract: _____

Lab Code: LIBERTY Case No.: _____ SAS No.: _____ SDG No.: A1201

Matrix (soil/water): WATER Lab Sample ID: A1201-6

Level (low/med): LOW Date Received: 09/23/00

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	3.4	U		P
7439-92-1	Lead	2.0	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments: _____

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: COMPUCHEM

Contract: OLM04-REVS

ACSGWMW3314

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: X1201

Matrix: (soil/water) WATER

Lab Sample ID: X1201-7

Sample wt/vol: 5 (g/mL) ML

Lab File ID: X1201-7A71

Level: (low/med) LOW

Date Received: 09/23/00

% Moisture: not dec. _____

Date Analyzed: 09/27/00

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-35-4	1,1-Dichloroethene	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
71-55-6	1,1,1-Trichloroethane	10	U
71-43-2	Benzene	10	U
79-01-6	Trichloroethene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: COMPUCHEM

Contract: OLM04-REVS

ACSGWMW3314

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: X1201

Matrix: (soil/water) WATER

Lab Sample ID: X1201-7

Sample wt/vol: 5 (g/mL) ML

Lab File ID: X1201-7A71

Level: (low/med) LOW

Date Received: 09/23/00

% Moisture: not dec.

Date Analyzed: 09/27/00

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 7

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 109-87-5	METHANE, DIMETHOXY-	5.72	17	NJ
2.	UNKNOWN	6.20	11	J
3. 646-06-0	1,3-DIOXOLANE	7.55	15	NJ
4. 109-99-9	FURAN, TETRAHYDRO-	7.76	170	NJ
5.	UNKNOWN	8.19	7	J
6.	UNKNOWN	8.33	5	J
7. 123-91-1	1,4-DIOXANE	9.20	20	NJ
8.				
9.				
10.				
11.				
12.				
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EPA-CLP METALS

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ACSGWMW3314

Lab Name: COMPUCHEM Contract: _____

Lab Code: LIBRTY Case No.: _____ SAS No.: _____ SDG No.: X1201

Matrix (soil/water): WATER Lab Sample ID: X1201-7

Level (low/med): LOW Date Received: 09/23/00

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	21.8			P
7439-92-1	Lead	2.0	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments: _____

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: COMPUCHEM

Contract: OLM04-REVS

ACSGWMW33914

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: X1201

Matrix: (soil/water) WATER

Lab Sample ID: X1201-8

Sample wt/vol: 5 (g/mL) ML

Lab File ID: X1201-8A71

Level: (low/med) LOW

Date Received: 09/23/00

% Moisture: not dec.

Date Analyzed: 09/27/00

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-35-4	1,1-Dichloroethene	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
71-55-6	1,1,1-Trichloroethane	10	U
71-43-2	Benzene	2	J
79-01-6	Trichloroethene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

ACSGWMW33914

Lab Name: COMPUCHEM

Contract: OLM04-REVS

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: X1201

Matrix: (soil/water) WATER

Lab Sample ID: X1201-8

Sample wt/vol: 5 (g/mL) ML

Lab File ID: X1201-8A71

Level: (low/med) LOW

Date Received: 09/23/00

% Moisture: not dec.

Date Analyzed: 09/27/00

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 8

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 109-87-5	METHANE, DIMETHOXY-	5.73	19	NJ
2.	UNKNOWN	6.22	13	J
3. 646-06-0	1,3-DIOXOLANE	7.56	16	NJ
4. 109-99-9	FURAN, TETRAHYDRO-	7.77	170	NJ
5. 75-85-4	AMYLENE HYDRATE	8.19	7	NJ
6. 123-91-1	1,4-DIOXANE	9.21	20	NJ
7. 91-57-6	NAPHTHALENE, 2-METHYL-	16.84	9	NJ
8. 90-12-0	NAPHTHALENE, 1-METHYL-	17.09	14	NJ
9.				
10.				
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EPA-CLP METALS

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ACSGWMW33914

Lab Name: COMPUCHEM Contract: _____

Lab Code: LIBERTY Case No.: _____ SAS No.: _____ SDG No.: X1201

Matrix (soil/water): WATER Lab Sample ID: X1201-8

Level (low/med): LOW Date Received: 09/23/00

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	21.1			P
7439-92-1	Lead	2.0	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments: _____

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ACSGWMW3414

Lab Name: COMPUCHEM

Contract: OLM04-REVS

Lab Code: LIBRTY Case No.:

SAS No.: SDG No.: X1201

Matrix: (soil/water) WATER

Lab Sample ID: X1201-1

Sample wt/vol: 5 (g/mL) ML

Lab File ID: X1201-1A71

Level: (low/med) LOW

Date Received: 09/21/00

% Moisture: not dec.

Date Analyzed: 09/26/00

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

CAS NO. COMPOUND

75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-35-4	1,1-Dichloroethene	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
71-55-6	1,1,1-Trichloroethane	10	U
71-43-2	Benzene	10	U
79-01-6	Trichloroethene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

ACSGWMW3414

Lab Name: COMPUCHEM

Contract: OLM04-REVS

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: X1201

Matrix: (soil/water) WATER

Lab Sample ID: X1201-1

Sample wt/vol: 5 (g/mL) ML

Lab File ID: X1201-1A71

Level: (low/med) LOW

Date Received: 09/21/00

% Moisture: not dec. _____

Date Analyzed: 09/26/00

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
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EPA-CLP METALS

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ACSGWMW3414

Lab Name: COMPUCHEM

Contract: _____

Lab Code: LIBRTY

Case No.: _____

SAS No.: _____

SDG No.: X1201Matrix (soil/water): WATERLab Sample ID: X1201-1Level (low/med): LOWDate Received: 09/21/00% Solids: 0.0Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	3.4	U		P
7439-92-1	Lead	2.0	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments: _____

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: COMPUCHEM

Contract: OLM04-REVS

ACSGWMW5014

Lab Code: LIBRTY Case No.: Q1201 SAS No.: SDG No.: W1201

Matrix: (soil/water) WATER Lab Sample ID: W1201-9

Sample wt/vol: 5 (g/mL) ML Lab File ID: W1201-9A51

Level: (low/med) LOW Date Received: 09/21/00

% Moisture: not dec. Date Analyzed: 09/23/00

GC Column: EQUITY624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-35-4	1,1-Dichloroethene	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
71-55-6	1,1,1-Trichloroethane	10	U
71-43-2	Benzene	10	U
79-01-6	Trichloroethene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U

FORM I VOA-1

OLM04.2

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

ACSGWMW5014

Lab Name: COMPUCHEM

Contract: OLM04-REVS

Lab Code: LIBRTY Case No.: Q1201

SAS No.:

SDG No.: W1201

Matrix: (soil/water) WATER

Lab Sample ID: W1201-9

Sample wt/vol: 5 (g/mL) ML

Lab File ID: W1201-9A51

Level: (low/med) LOW

Date Received: 09/21/00

% Moisture: not dec.

Date Analyzed: 09/23/00

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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FORM I VOA-TIC

OLM04.2

EPA-CLP METALS

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ACSGWMW5014

Lab Name: COMPUCHEM Contract: _____

Lab Code: LIBRTY Case No.: _____ SAS No.: _____ SDG No.: W1201

Matrix (soil/water): WATER Lab Sample ID: W1201-9

Level (low/med): LOW Date Received: 09/21/00

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	8.2	B		P
7439-92-1	Lead	16.1			P

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments: _____

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: COMPUCHEM

Contract: OLM04-REVS

ACSGWMW5214

Lab Code: LIBRTY Case No.: Q1201

SAS No.:

SDG No.: W1201

Matrix: (soil/water) WATER

Lab Sample ID: W1201-14

Sample wt/vol: 5 (g/mL) ML

Lab File ID: W1201-14A51

Level: (low/med) LOW

Date Received: 09/21/00

% Moisture: not dec. _____

Date Analyzed: 09/23/00

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO. COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-35-4	1,1-Dichloroethene	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
71-55-6	1,1,1-Trichloroethane	10	U
71-43-2	Benzene	10	U
79-01-6	Trichloroethene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U

FORM I VOA-1

OLM04.2

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

ACSGWMW5214

Lab Name: COMPUCHEM

Contract: OLM04-REVS

Lab Code: LIBRTY Case No.: Q1201 SAS No.: SDG No.: W1201

Matrix: (soil/water) WATER Lab Sample ID: W1201-14

Sample wt/vol: 5 (g/mL) ML Lab File ID: W1201-14A51

Level: (low/med) LOW Date Received: 09/21/00

% Moisture: not dec. Date Analyzed: 09/23/00

GC Column: EQUITY624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 4 CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 60-29-7	ETHER	5.50	1800	NJ
2.	UNKNOWN	6.76	6	J
3. 109-99-9	FURAN, TETRAHYDRO-	8.54	39	NJ
4. 123-91-1	1,4-DIOXANE	10.48	5	NJ
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EPA-CLP METALS

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ACSGWMW5214

Lab Name: COMPUCHEM Contract: _____

Lab Code: LIBRTY Case No.: _____ SAS No.: _____ SDG No.: W1201

Matrix (soil/water): WATER Lab Sample ID: W1201-14

Level (low/med): LOW Date Received: 09/21/00

Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	3.4	U		P
7439-92-1	Lead	2.0	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments: _____

VOLATILE ORGANICS ANALYSIS DATA SHEET

1A

EPA SAMPLE NO.

ACSGWMW5314

Lab Name: COMPUCHEM

Contract: OLM04-REVS

Lab Code: LIBRTY Case No.: Q1201 SAS No.: SDG No.: W1201

Matrix: (soil/water) WATER Lab Sample ID: W1201-15

Sample wt/vol: 5 (g/mL) ML Lab File ID: W1201-15A51

Level: (low/med) LOW Date Received: 09/21/00

% Moisture: not dec. Date Analyzed: 09/23/00

GC Column: EQUITY624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO. COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-35-4	1,1-Dichloroethene	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
71-55-6	1,1,1-Trichloroethane	10	U
71-43-2	Benzene	3	J
79-01-6	Trichloroethene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U

FORM I VOA-1

OLM04.2

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

ACSGWMW5314

Lab Name: COMPUCHEM

Contract: OLM04-REVS

Lab Code: LIBRTY Case No.: Q1201

SAS No.:

SDG No.: W1201

Matrix: (soil/water) WATER

Lab Sample ID: W1201-15

Sample wt/vol: 5 (g/mL) ML

Lab File ID: W1201-15A51

Level: (low/med) LOW

Date Received: 09/21/00

% Moisture: not dec.

Date Analyzed: 09/23/00

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 7

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 60-29-7	ETHER	5.43	27	NJ
2. 76-13-1	ETHANE, 1,1,2-TRICHLORO-1,2,	5.80	5	NJ
3.	UNKNOWN	5.89	9	J
4.	UNKNOWN	6.77	10	J
5. 646-06-0	1,3-DIOXOLANE	8.30	6	NJ
6. 109-99-9	FURAN, TETRAHYDRO-	8.55	19	NJ
7. 123-91-1	1,4-DIOXANE	10.49	16	NJ
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FORM I VOA-TIC

OLM04.2

EPA-CLP METALS

I

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ACSGWMW5314

Lab Name: COMPUCHEM

Contract: _____

Lab Code: LIBRTY

Case No.: _____

SAS No.: _____

SDG No.: W1201Matrix (soil/water): WATERLab Sample ID: W1201-15Level (low/med): LOWDate Received: 09/21/00% Solids: 0.0Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	3.4	U		P
7439-92-1	Lead	2.5	B		P

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments: _____

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: COMPUCHEM

Contract: OLM04-REVS

ACSGWMW5114

Lab Code: LIBRTY Case No.:

SAS No.: SDG No.: X1201

Matrix: (soil/water) WATER

Lab Sample ID: X1201-10

Sample wt/vol: 5 (g/mL) ML

Lab File ID: X1201-10A71

Level: (low/med) LOW

Date Received: 09/23/00

% Moisture: not dec. _____

Date Analyzed: 09/27/00

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-35-4	1,1-Dichloroethene	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
71-55-6	1,1,1-Trichloroethane	10	U
71-43-2	Benzene	10	U
79-01-6	Trichloroethene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U

FORM I VOA-1

OLM04.2

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: COMPUCHEM

Contract: OLM04-REVS

ACSGWMW5114

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: X1201

Matrix: (soil/water) WATER

Lab Sample ID: X1201-10

Sample wt/vol: 5 (g/mL) ML

Lab File ID: X1201-10A71

Level: (low/med) LOW

Date Received: 09/23/00

% Moisture: not dec.

Date Analyzed: 09/27/00

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

Number TICs found: 4

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 60-29-7	ETHER	5.38	7200	NJ
2.	UNKNOWN	6.22	12	J
3. 109-99-9	FURAN, TETRAHYDRO-	7.77	80	NJ
4. 123-91-1	1,4-DIOXANE	9.21	9	NJ
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FORM I VOA-TIC

OLM04.2

EPA-CLP METALS

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ACSGWMW5114

Lab Name: COMPUCHEM

Contract: _____

Lab Code: LIBRTY

Case No.: _____

SAS No.: _____

SDG No.: X1201Matrix (soil/water): WATERLab Sample ID: X1201-10Level (low/med): LOWDate Received: 09/23/00% Solids: 0.0Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	3.4	U		P
7439-92-1	Lead	2.0	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments: _____

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: COMPUCHEM

Contract: OLM04-REVS

ACSGWM54D14

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: A1201

Matrix: (soil/water) WATER

Lab Sample ID: A1201-11

Sample wt/vol: 5 (g/mL) ML

Lab File ID: A1201-11B55

Level: (low/med) LOW

Date Received: 09/23/00

% Moisture: not dec. _____

Date Analyzed: 09/28/00

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-35-4	1,1-Dichloroethene	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
71-55-6	1,1,1-Trichloroethane	10	U
71-43-2	Benzene	1	J
79-01-6	Trichloroethene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: COMPUCHEM

Contract: OLM04-REVS

ACSGWM54D14

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: A1201

Matrix: (soil/water) WATER

Lab Sample ID: A1201-11

Sample wt/vol: 5 (g/mL) ML

Lab File ID: A1201-11B55

Level: (low/med) LOW

Date Received: 09/23/00

% Moisture: not dec. _____

Date Analyzed: 09/28/00

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
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U. S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ACSGWMW54D14

Lab Name: COMPUCHEM Contract: _____

Lab Code: LIBRTY Case No.: _____ SAS No.: _____ SDG No.: A1201

Matrix (soil/water): WATER Lab Sample ID: A1201-11

Level (low/med): LOW Date Received: 09/23/00

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
<u>7440-38-2</u>	<u>Arsenic</u>	<u>3.4</u>	<u>U</u>		<u>P</u>
<u>7439-92-1</u>	<u>Lead</u>	<u>2.0</u>	<u>U</u>		<u>P</u>

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments: _____

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: COMPUCHEM

Contract: OLM04-REVS

ACSGWM5514

Lab Code: LIBRTY Case No.:

SAS No.: SDG No.: A1201

Matrix: (soil/water) WATER

Lab Sample ID: A1201-9

Sample wt/vol: 5 (g/mL) ML

Lab File ID: A1201-9B55

Level: (low/med) LOW

Date Received: 09/23/00

% Moisture: not dec. _____

Date Analyzed: 09/27/00

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-35-4	1,1-Dichloroethene	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
71-55-6	1,1,1-Trichloroethane	10	U
71-43-2	Benzene	10	U
79-01-6	Trichloroethene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: COMPUCHEM

Contract: OLM04-REVS

ACSGWM5514

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: A1201

Matrix: (soil/water) WATER

Lab Sample ID: A1201-9

Sample wt/vol: 5 (g/mL) ML

Lab File ID: A1201-9B55

Level: (low/med) LOW

Date Received: 09/23/00

% Moisture: not dec. _____

Date Analyzed: 09/27/00

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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U. S. EPA - CLP

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ACSGWMW5514

Lab Name: COMPUCHEM

Contract: _____

Lab Code: LIBRTY

Case No.: _____

SAS No.: _____

SDG No.: A1201Matrix (soil/water): WATERLab Sample ID: A1201-9Level (low/med): LOWDate Received: 09/23/00% Solids: 0.0Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	3.4	U		P
7439-92-1	Lead	2.0	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments: _____

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: COMPUCHEM

Contract: OLM04-REVS

ACSGWM5594

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: A1201

Matrix: (soil/water) WATER

Lab Sample ID: A1201-10

Sample wt/vol: 5 (g/mL) ML

Lab File ID: A1201-10B55

Level: (low/med) LOW

Date Received: 09/23/00

% Moisture: not dec. _____

Date Analyzed: 09/27/00

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-35-4	1,1-Dichloroethene	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
71-55-6	1,1,1-Trichloroethane	10	U
71-43-2	Benzene	10	U
79-01-6	Trichloroethene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: COMPUCHEM

Contract: OLM04-REVS

ACSGWM5594

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: A1201

Matrix: (soil/water) WATER

Lab Sample ID: A1201-10

Sample wt/vol: 5 (g/mL) ML

Lab File ID: A1201-10B55

Level: (low/med) LOW

Date Received: 09/23/00

% Moisture: not dec. _____

Date Analyzed: 09/27/00

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
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U. S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ACSGWMW5594

Lab Name: COMPUCHEM Contract: _____

Lab Code: LIBRTY Case No.: _____ SAS No.: _____ SDG No.: A1201

Matrix (soil/water): WATER Lab Sample ID: A1201-10

Level (low/med): LOW Date Received: 09/23/00

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	3.6	B		P
7439-92-1	Lead	2.0	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments: _____

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: COMPUCHEM	Contract: OLM04-REVS	GWATMW4D14
Lab Code: LIBRTY Case No.:	SAS No.:	SDG No.: C1201
Matrix: (soil/water) WATER	Lab Sample ID: C1201-1	
Sample wt/vol: 5 (g/mL) ML	Lab File ID: C1201-1A55	
Level: (low/med) LOW	Date Received: 09/26/00	
% Moisture: not dec.	Date Analyzed: 09/29/00	
GC Column: EQUITY624 ID: 0.53 (mm)	Dilution Factor: 1.0	
Soil Extract Volume: _____ (uL)	Soil Aliquot Volume: _____ (uL)	

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	10	U
75-01-4	Vinyl Chloride	88	
75-00-3	Chloroethane	10	U
75-35-4	1,1-Dichloroethene	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
71-55-6	1,1,1-Trichloroethane	10	U
71-43-2	Benzene	540	E
79-01-6	Trichloroethene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

GWATMW4D14

Lab Name: COMPUCHEM

Contract: OLM04-REVS

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: C1201

Matrix: (soil/water) WATER

Lab Sample ID: C1201-1

Sample wt/vol: 5 (g/mL) ML

Lab File ID: C1201-1A55

Level: (low/med) LOW

Date Received: 09/26/00

% Moisture: not dec. _____

Date Analyzed: 09/29/00

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 60-29-7	ETHER	7.58	12	NJ
2.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: COMPUCHEM	Contract: OLM04-REVS	GWATMW4D14DL
Lab Code: LIBRTY	Case No.:	SAS No.:
Matrix: (soil/water) WATER	Lab Sample ID: C1201-1	
Sample wt/vol: 5 (g/mL)	ML	Lab File ID: C1201-1D2A55
Level: (low/med) LOW	Date Received: 09/26/00	
% Moisture: not dec.	Date Analyzed: 09/29/00	
GC Column: EQUITY624 ID: 0.53 (mm)	Dilution Factor: 10.0	
Soil Extract Volume: _____ (uL)	Soil Aliquot Volume: _____ (uL)	

CAS NO. COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

75-01-4	Vinyl Chloride	100	U
75-00-3	Chloroethane	70	DJ
75-35-4	1,1-Dichloroethene	100	U
156-60-5	trans-1,2-Dichloroethene	100	U
156-59-2	cis-1,2-Dichloroethene	100	U
71-55-6	1,1,1-Trichloroethane	100	U
71-43-2	Benzene	1200	D
79-01-6	Trichloroethene	100	U
79-00-5	1,1,2-Trichloroethane	100	U
127-18-4	Tetrachloroethene	100	U

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: COMPUCHEM

Contract: OLM04-REVS

GWATMW4D14DL

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: C1201

Matrix: (soil/water) WATER

Lab Sample ID: C1201-1

Sample wt/vol: 5 (g/mL) ML

Lab File ID: C1201-1D2A55

Level: (low/med) LOW

Date Received: 09/26/00

% Moisture: not dec. _____

Date Analyzed: 09/29/00

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 10.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

GWATMW4D14

Lab Name: COMPUCHEM Contract: _____

Lab Code: LIBRTY Case No.: _____ SAS No.: _____ SDG No.: C1201

Matrix (soil/water): WATER Lab Sample ID: C1201-1

Level (low/med): LOW Date Received: 09/26/00

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	3.4	U		P
7439-92-1	Lead	2.4	B		P

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments: _____

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: COMPUCHEM

Contract: OLM04-REVS

GWATMW4D914

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: C1201

Matrix: (soil/water) WATER

Lab Sample ID: C1201-2

Sample wt/vol: 5 (g/mL) ML

Lab File ID: C1201-2A55

Level: (low/med) LOW

Date Received: 09/26/00

% Moisture: not dec. _____

Date Analyzed: 09/29/00

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	UG/L	Q
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	90	
75-35-4	1,1-Dichloroethene	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
71-55-6	1,1,1-Trichloroethane	10	U
71-43-2	Benzene	550	E
79-01-6	Trichloroethene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: COMPUCHEM

Contract: OLM04-REVS

GWATMW4D914

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: C1201

Matrix: (soil/water) WATER

Lab Sample ID: C1201-2

Sample wt/vol: 5 (g/mL) ML

Lab File ID: C1201-2A55

Level: (low/med) LOW

Date Received: 09/26/00

% Moisture: not dec. _____

Date Analyzed: 09/29/00

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 60-29-7	ETHER	7.58	11	NJ
2.				
3.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: COMPUCHEM

Contract: OLM04-REVS

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: C1201

Matrix: (soil/water) WATER

Lab Sample ID: C1201-2

Sample wt/vol: 5 (g/mL) ML

Lab File ID: C1201-2DA55

Level: (low/med) LOW

Date Received: 09/26/00

% Moisture: not dec. _____

Date Analyzed: 09/29/00

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 25.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	UG/L	Q
75-01-4	Vinyl Chloride	250	U
75-00-3	Chloroethane	73	DJ
75-35-4	1,1-Dichloroethene	250	U
156-60-5	trans-1,2-Dichloroethene	250	U
156-59-2	cis-1,2-Dichloroethene	250	U
71-55-6	1,1,1-Trichloroethane	250	U
71-43-2	Benzene	1500	D
79-01-6	Trichloroethene	250	U
79-00-5	1,1,2-Trichloroethane	250	U
127-18-4	Tetrachloroethene	250	U

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: COMPUCHEM	Contract: OLM04-REVS	GWATMW4D914DL
Lab Code: LIBRTY Case No.:	SAS No.:	SDG No.: C1201
Matrix: (soil/water) WATER	Lab Sample ID: C1201-2	
Sample wt/vol: 5 (g/mL) ML	Lab File ID: C1201-2DA55	
Level: (low/med) LOW	Date Received: 09/26/00	
% Moisture: not dec.	Date Analyzed: 09/29/00	
GC Column: EQUITY624 ID: 0.53 (mm)	Dilution Factor: 25.0	
Soil Extract Volume: _____ (uL)	Soil Aliquot Volume: _____ (uL)	
Number TICs found: 0	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

GWATMW4D914

Lab Name: COMPUCHEM Contract: _____

Lab Code: LIBRTY Case No.: _____ SAS No.: _____ SDG No.: C1201

Matrix (soil/water): WATER Lab Sample ID: C1201-2

Level (low/med): LOW Date Received: 09/26/00

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	3.4	U		P
7439-92-1	Lead	2.0	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments: _____



APPENDIX E

**VALIDATION NARRATIVE AND LABORATORY REPORTS
FROM RESIDENTIAL WELLS**

1LCA
LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: COMPUCHEM

Contract: OLC02-REVS

ACSGWPWA-14

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: Y1201

Lab Sample ID: Y1201-2

Date Received: 09/21/00

Lab File ID: Y1201-2B54

Date Analyzed: 09/26/00

Purge Volume: 25 (mL)

Dilution Factor: 1.0

GC Column: EQUITY624 ID: 0.53 (mm) Length: 75 (m)

CAS NO.	COMPOUND	CONCENTRATION (ug/L)	Q
74-87-3-----	Chloromethane	1	U
74-83-9-----	Bromomethane	1	U
75-01-4-----	Vinyl chloride	1	U
75-00-3-----	Chloroethane	1	U
75-09-2-----	Methylene chloride	2	U
67-64-1-----	Acetone	5	U
75-15-0-----	Carbon disulfide	1	U
75-35-4-----	1,1-Dichloroethene	1	U
75-34-3-----	1,1-Dichloroethane	1	U
156-59-2-----	cis-1,2-Dichloroethene	1	U
156-60-5-----	trans-1,2-Dichloroethene	1	U
67-66-3-----	Chloroform	1	U
107-06-2-----	1,2-Dichloroethane	1	U
78-93-3-----	2-Butanone	4	J
74-97-5-----	Bromochloromethane	1	U
71-55-6-----	1,1,1-Trichloroethane	1	U
56-23-5-----	Carbon tetrachloride	1	U
75-27-4-----	Bromodichloromethane	1	U
78-87-5-----	1,2-Dichloropropane	1	U
10061-01-5-----	cis-1,3-Dichloropropene	1	U
79-01-6-----	Trichloroethene	1	U
124-48-1-----	Dibromochloromethane	1	U
79-00-5-----	1,1,2-Trichloroethane	1	U
71-43-2-----	Benzene	1	U
10061-02-6-----	trans-1,3-Dichloropropene	1	U
75-25-2-----	Bromoform	1	U
108-10-1-----	4-Methyl-2-pentanone	5	U
591-78-6-----	2-Hexanone	5	U
127-18-4-----	Tetrachloroethene	1	U
79-34-5-----	1,1,2,2-Tetrachloroethane	1	U
106-93-4-----	1,2-Dibromoethane	1	U
108-88-3-----	Toluene	1	U
108-90-7-----	Chlorobenzene	1	U
100-41-4-----	Ethylbenzene	1	U
100-42-5-----	Styrene	1	U
1330-20-7-----	Xylenes (Total)	1	U
541-73-1-----	1,3-Dichlorobenzene	1	U
106-46-7-----	1,4-Dichlorobenzene	1	U
95-50-1-----	1,2-Dichlorobenzene	1	U
96-12-8-----	1,2-Dibromo-3-chloropropane	1	U
120-82-1-----	1,2,4-Trichlorobenzene	1	U

1LCE
LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: COMPUTECH Contract: OLC02-REVS

ACSGWPWA-14

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: Y1201

Lab Sample ID: Y1201-2 Date Received: 09/21/00

Lab File ID: Y1201-2B54 Date Analyzed: 09/26/00

Purge Volume: 25 (mL) Dilution Factor: 1.0

GC Column: EQUITY624 ID: 0.53 (mm) Length: 75 (m)

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (ug/L)	Q
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LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: COMPUCHEM

Contract: OLC02-REVS

ACSGWPWA-14

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: Y1201

Lab Sample ID: Y1201-2

Date Received: 09/21/00

Lab File ID: Y1201-2A60

Date Extracted: 09/25/22

Sample Volume: 1050 (mL)

Date Analyzed: 09/28/00

Concentrated Extract Volume: 1000 (uL)

Dilution Factor: 1.0

Injection Volume: 1 (uL)

CAS NO.	COMPOUND	CONCENTRATION (ug/L)	Q
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108-95-2-----	Phenol	5	U
111-44-4-----	Bis(2-chloroethyl)ether	5	U
95-57-8-----	2-Chlorophenol	5	U
95-48-7-----	2-Methylphenol	5	U
108-60-1-----	2,2-oxybis(1-Chloropropane)	5	U
106-44-5-----	4-Methylphenol	5	U
621-64-7-----	N-Nitroso-di-N-propylamine	5	U
67-72-1-----	Hexachloroethane	5	U
98-95-3-----	Nitrobenzene	5	U
78-59-1-----	Isophorone	5	U
88-75-5-----	2-Nitrophenol	5	U
105-67-9-----	2,4-Dimethylphenol	5	U
111-91-1-----	Bis(2-chloroethoxy)methane	5	U
120-83-2-----	2,4-Dichlorophenol	5	U
91-20-3-----	Naphthalene	5	U
106-47-8-----	4-Chloroaniline	5	U
87-68-3-----	Hexachlorobutadiene	5	U
59-50-7-----	4-Chloro-3-methylphenol	5	U
91-57-6-----	2-Methylnaphthalene	5	U
77-47-4-----	Hexachlorocyclopentadiene	5	U
88-06-2-----	2,4,6-Trichlorophenol	5	U
95-95-4-----	2,4,5-Trichlorophenol	19	U
91-58-7-----	2-Chloronaphthalene	5	U
88-74-4-----	2-Nitroaniline	19	U
131-11-3-----	Dimethylphthalate	5	U
606-20-2-----	2,6-Dinitrotoluene	5	U
208-96-8-----	Acenaphthylene	5	U
99-09-2-----	3-Nitroaniline	19	U
83-32-9-----	Acenaphthene	5	U

Lab Name: COMPUCHEM

Contract: OLC02-REVS

ACSGWPWA-14

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: Y1201

Lab Sample ID: Y1201-2

Date Received: 09/21/00

Lab File ID: Y1201-2A60

Date Extracted: 09/25/22

Sample Volume: 1050 (mL)

Date Analyzed: 09/28/00

Concentrated Extract Volume: 1000(uL)

Dilution Factor: 1.0

Injection Volume: 1 (uL)

CAS NO.	COMPOUND	CONCENTRATION (ug/L)	Q
51-28-5-----	2,4-Dinitrophenol	19	U
100-02-7-----	4-Nitrophenol	19	U
121-14-2-----	2,4-Dinitrotoluene	5	U
132-64-9-----	Dibenzofuran	5	U
84-66-2-----	Diethylphthalate	5	U
7005-72-3-----	4-Chlorophenyl-phenylether	5	U
86-73-7-----	Fluorene	5	U
100-01-6-----	4-Nitroaniline	19	U
534-52-1-----	4,6-Dinitro-2-methylphenol	19	U
86-30-6-----	N-Nitrosodiphenylamine (1)	5	U
101-55-3-----	4-Bromophenyl-phenylether	5	U
118-74-1-----	Hexachlorobenzene	5	U
87-86-5-----	Pentachlorophenol	17	U
85-01-8-----	Phenanthrene	5	U
120-12-7-----	Anthracene	5	U
84-74-2-----	Di-n-butylphthalate	5	U
206-44-0-----	Fluoranthene	5	U
129-00-0-----	Pyrene	5	U
85-68-7-----	Butylbenzylphthalate	5	U
91-94-1-----	3,3'-Dichlorobenzidine	5	U
56-55-3-----	Benzo(a)anthracene	5	U
218-01-9-----	Chrysene	5	U
117-81-7-----	bis(2-ethylhexyl)phthalate	5	U
117-84-0-----	Di-n-octylphthalate	5	U
205-99-2-----	Benzo(b)fluoranthene	5	U
207-08-9-----	Benzo(k)fluoranthene	5	U
50-32-8-----	Benzo(a)pyrene	5	U
193-39-5-----	Indeno(1,2,3-cd)pyrene	5	U
53-70-3-----	Dibenz(a,h)anthracene	5	U
191-24-2-----	Benzo(g,h,i)perylene	5	U

(1) - Cannot be separated from Diphenylamine

1LCF
LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: COMPUCHEM

Contract: OLC02-REVS

ACSGWPWA-14

Lab Code: LIBERTY Case No.:

SAS No.:

SDG No.: Y1201

Lab Sample ID: Y1201-2

Date Received: 09/21/00

Lab File ID: Y1201-2A60

Date Extracted: 09/25/22

Sample Volume: 1050 (mL)

Date Analyzed: 09/28/00

Concentrated Extract Volume: 1000 (uL)

Dilution Factor: 1.0

Injection Volume: 1 (uL)

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (ug/L)	Q
1.				
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1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: COMPUCHEM

Contract: OLM04-REVS

ACSGWPWA-14

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: Y1201

Matrix: (soil/water) WATER

Lab Sample ID: Y1201-2

Sample wt/vol: 1060 (g/mL) ML

Lab File ID: _____

% Moisture: _____ decanted: (Y/N) _____

Date Received: 09/21/00

Extraction: (Type) SEPF

Date Extracted: 09/26/00

Concentrated Extract Volume: 10000(uL)

Date Analyzed: 09/28/00

Injection Volume: 1.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

FORM I PEST

OLM04.2

EPA-CLP METALS

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ACSGWPWA-14

Lab Name: COMPUCHEM Contract: _____

Lab Code: LIBRTY Case No.: _____ SAS No.: _____ SDG No.: Y1201

Matrix (soil/water): WATER Lab Sample ID: Y1201-2

Level (low/med): LOW Date Received: 09/21/00

Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	34.9	U		P
7440-36-0	Antimony	1.9	U		P
7440-38-2	Arsenic	3.4	U		P
7440-39-3	Barium	130	B		P
7440-41-7	Beryllium	0.10	U		P
7440-43-9	Cadmium	0.30	U		P
7440-70-2	Calcium	87300			P
7440-47-3	Chromium	0.78	B		P
7440-48-4	Cobalt	0.50	U		P
7440-50-8	Copper	2.3	B		P
7439-89-6	Iron	2060			P
7439-92-1	Lead	2.0	U		P
7439-95-4	Magnesium	44400			P
7439-96-5	Manganese	35.4			P
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	1.0	U		P
7440-09-7	Potassium	2340	B	E	P
7782-49-2	Selenium	5.0	U		P
7440-22-4	Silver	0.60	U		P
7440-23-5	Sodium	18200			P
7440-28-0	Thallium	4.9	U		P
7440-62-2	Vanadium	0.50	U		P
7440-66-6	Zinc	11.1	B		P
	Cyanide	0.80	U		CA

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments: _____

1LCA
LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: COMPUCHEM

Contract: OLC02-REVS

ACSGWMWB14

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: Y1201

Lab Sample ID: Y1201-3

Date Received: 09/23/00

Lab File ID: Y1201-3B57

Date Analyzed: 09/30/00

Purge Volume: 25 (mL)

Dilution Factor: 1.0

GC Column: EQUITY624 ID: 0.53 (mm) Length: 75 (m)

CAS NO.	COMPOUND	CONCENTRATION (μ g/L)	Q
74-87-3-----	Chloromethane	1	U
74-83-9-----	Bromomethane	1	U
75-01-4-----	Vinyl chloride	1	U
75-00-3-----	Chloroethane	1	U
75-09-2-----	Methylene chloride	2	U
67-64-1-----	Acetone	5	U
75-15-0-----	Carbon disulfide	1	U
75-35-4-----	1,1-Dichloroethene	1	U
75-34-3-----	1,1-Dichloroethane	1	U
156-59-2-----	cis-1,2-Dichloroethene	1	U
156-60-5-----	trans-1,2-Dichloroethene	1	U
67-66-3-----	Chloroform	1	U
107-06-2-----	1,2-Dichloroethane	1	U
78-93-3-----	2-Butanone	5	U
74-97-5-----	Bromochloromethane	1	U
71-55-6-----	1,1,1-Trichloroethane	1	U
56-23-5-----	Carbon tetrachloride	1	U
75-27-4-----	Bromodichloromethane	1	U
78-87-5-----	1,2-Dichloropropane	1	U
10061-01-5-----	cis-1,3-Dichloropropene	1	U
79-01-6-----	Trichloroethene	1	U
124-48-1-----	Dibromochloromethane	1	U
79-00-5-----	1,1,2-Trichloroethane	1	U
71-43-2-----	Benzene	1	U
10061-02-6-----	trans-1,3-Dichloropropene	1	U
75-25-2-----	Bromoform	1	U
108-10-1-----	4-Methyl-2-pentanone	5	U
591-78-6-----	2-Hexanone	5	U
127-18-4-----	Tetrachloroethene	1	U
79-34-5-----	1,1,2,2-Tetrachloroethane	1	U
106-93-4-----	1,2-Dibromoethane	1	U
108-88-3-----	Toluene	1	U
108-90-7-----	Chlorobenzene	1	U
100-41-4-----	Ethylbenzene	1	U
100-42-5-----	Styrene	1	U
1330-20-7-----	Xylenes (Total)	1	U
541-73-1-----	1,3-Dichlorobenzene	1	U
106-46-7-----	1,4-Dichlorobenzene	1	U
95-50-1-----	1,2-Dichlorobenzene	1	U
96-12-8-----	1,2-Dibromo-3-chloropropane	1	U
120-82-1-----	1,2,4-Trichlorobenzene	1	U

1LCE
LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: COMPUTECH

Contract: OLC02-REVS

ACSGWMWB14

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: Y1201

Lab Sample ID: Y1201-3

Date Received: 09/23/00

Lab File ID: Y1201-3B57

Date Analyzed: 09/30/00

Purge Volume: 25 (mL)

Dilution Factor: 1.0

GC Column: EQUITY624 ID: 0.53 (mm) Length: 75 (m)

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (ug/L)	Q
1.				
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Lab Name: COMPUCHEM

Contract: OLC02-REVS

ACSGWMWB14

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: Y1201

Lab Sample ID: Y1201-3

Date Received: 09/23/00

Lab File ID: Y1201-3A60

Date Extracted: 09/25/22

Sample Volume: 1100 (mL)

Date Analyzed: 09/28/00

Concentrated Extract Volume: 1000 (uL)

Dilution Factor: 1.0

Injection Volume: 1 (uL)

CAS NO.	COMPOUND	CONCENTRATION (ug/L)	Q
108-95-2-----	Phenol	5	U
111-44-4-----	Bis(2-chloroethyl)ether	5	U
95-57-8-----	2-Chlorophenol	5	U
95-48-7-----	2-Methylphenol	5	U
108-60-1-----	2,2-oxybis(1-Chloropropane)	5	U
106-44-5-----	4-Methylphenol	5	U
621-64-7-----	N-Nitroso-di-N-propylamine	5	U
67-72-1-----	Hexachloroethane	5	U
98-95-3-----	Nitrobenzene	5	U
78-59-1-----	Isophorone	5	U
88-75-5-----	2-Nitrophenol	5	U
105-67-9-----	2,4-Dimethylphenol	5	U
111-91-1-----	Bis(2-chloroethoxy)methane	5	U
120-83-2-----	2,4-Dichlorophenol	5	U
91-20-3-----	Naphthalene	5	U
106-47-8-----	4-Chloroaniline	5	U
87-68-3-----	Hexachlorobutadiene	5	U
59-50-7-----	4-Chloro-3-methylphenol	5	U
91-57-6-----	2-Methylnaphthalene	5	U
77-47-4-----	Hexachlorocyclopentadiene	5	U
88-06-2-----	2,4,6-Trichlorophenol	5	U
95-95-4-----	2,4,5-Trichlorophenol	18	U
91-58-7-----	2-Chloronaphthalene	5	U
88-74-4-----	2-Nitroaniline	18	U
131-11-3-----	Dimethylphthalate	5	U
606-20-2-----	2,6-Dinitrotoluene	5	U
208-96-8-----	Acenaphthylene	5	U
99-09-2-----	3-Nitroaniline	18	U
83-32-9-----	Acenaphthene	5	U

Lab Name: COMPUCHEM

Contract: OLC02-REVS

ACSGWMWB14

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: Y1201

Lab Sample ID: Y1201-3

Date Received: 09/23/00

Lab File ID: Y1201-3A60

Date Extracted: 09/25/22

Sample Volume: 1100 (mL)

Date Analyzed: 09/28/00

Concentrated Extract Volume: 1000 (uL)

Dilution Factor: 1.0

Injection Volume: 1 (uL)

CAS NO.	COMPOUND	CONCENTRATION (ug/L)	Q
51-28-5-----	2,4-Dinitrophenol	18	U
100-02-7-----	4-Nitrophenol	18	U
121-14-2-----	2,4-Dinitrotoluene	5	U
132-64-9-----	Dibenzofuran	5	U
84-66-2-----	Diethylphthalate	5	U
7005-72-3-----	4-Chlorophenyl-phenylether	5	U
86-73-7-----	Fluorene	5	U
100-01-6-----	4-Nitroaniline	18	U
534-52-1-----	4,6-Dinitro-2-methylphenol	18	U
86-30-6-----	N-Nitrosodiphenylamine (1)	5	U
101-55-3-----	4-Bromophenyl-phenylether	5	U
118-74-1-----	Hexachlorobenzene	5	U
87-86-5-----	Pentachlorophenol	16	U
85-01-8-----	Phenanthrene	5	U
120-12-7-----	Anthracene	5	U
84-74-2-----	Di-n-butylphthalate	5	U
206-44-0-----	Fluoranthene	5	U
129-00-0-----	Pyrene	5	U
85-68-7-----	Butylbenzylphthalate	5	U
91-94-1-----	3,3'-Dichlorobenzidine	5	U
56-55-3-----	Benzo(a)anthracene	5	U
218-01-9-----	Chrysene	5	U
117-81-7-----	bis(2-ethylhexyl)phthalate	5	U
117-84-0-----	Di-n-octylphthalate	5	U
205-99-2-----	Benzo(b)fluoranthene	5	U
207-08-9-----	Benzo(k)fluoranthene	5	U
50-32-8-----	Benzo(a)pyrene	5	U
193-39-5-----	Indeno(1,2,3-cd)pyrene	5	U
53-70-3-----	Dibenz(a,h)anthracene	5	U
191-24-2-----	Benzo(g,h,i)perylene	5	U

(1) - Cannot be separated from Diphenylamine

1LCF
LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: COMPUCHEM

Contract: OLC02-REVS

ACSGWMWB14

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: Y1201

Lab Sample ID: Y1201-3

Date Received: 09/23/00

Lab File ID: Y1201-3A60

Date Extracted: 09/25/22

Sample Volume: 1100 (mL)

Date Analyzed: 09/28/00

Concentrated Extract Volume: 1000 (uL)

Dilution Factor: 1.0

Injection Volume: 1 (uL)

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (ug/L)	Q
1.				
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1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ACSGWMWB-14

Lab Name: COMPUCHEM

Contract: OLM04-REVS

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: Y1201

Matrix: (soil/water) WATER

Lab Sample ID: Y1201-3

Sample wt/vol: 1050 (g/mL) ML

Lab File ID: _____

% Moisture: _____ decanted: (Y/N) _____

Date Received: 09/23/00

Extraction: (Type) SEPF

Date Extracted: 09/26/00

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 09/28/00

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

CAS NO. COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

EPA-CLP METALS

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ACSGWMWB-14

Lab Name: COMPUCHEM Contract: _____

Lab Code: LIBERTY Case No.: _____ SAS No.: _____ SDG No.: Y1201

Matrix (soil/water): WATER Lab Sample ID: Y1201-3

Level (low/med): LOW Date Received: 09/23/00

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	34.9	U		P
7440-36-0	Antimony	2.6	B		P
7440-38-2	Arsenic	3.4	U		P
7440-39-3	Barium	123	B		P
7440-41-7	Beryllium	0.10	U		P
7440-43-9	Cadmium	0.30	U		P
7440-70-2	Calcium	88700			P
7440-47-3	Chromium	0.51	B		P
7440-48-4	Cobalt	0.50	U		P
7440-50-8	Copper	2.1	B		P
7439-89-6	Iron	3290			P
7439-92-1	Lead	2.0	U		P
7439-95-4	Magnesium	40800			P
7439-96-5	Manganese	60.3			P
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	1.0	U		P
7440-09-7	Potassium	1660	B	E	P
7782-49-2	Selenium	5.0	U		P
7440-22-4	Silver	0.60	U		P
7440-23-5	Sodium	16500			P
7440-28-0	Thallium	5.2	B		P
7440-62-2	Vanadium	0.50	U		P
7440-66-6	Zinc	18.0	B		P
	Cyanide	0.80	U		CA

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments: _____

1LCA
LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: COMPUCHEM

Contract: OLC02-REVS

ACSGWPWC14

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: Y1201

Lab Sample ID: Y1201-4

Date Received: 09/23/00

Lab File ID: Y1201-4B57

Date Analyzed: 09/30/00

Purge Volume: 25 (mL)

Dilution Factor: 1.0

GC Column: EQUITY624 ID: 0.53 (mm) Length: 75 (m)

CAS NO.	COMPOUND	CONCENTRATION (ug/L)	Q
74-87-3-----	Chloromethane	1	U
74-83-9-----	Bromomethane	1	U
75-01-4-----	Vinyl chloride	1	U
75-00-3-----	Chloroethane	1	U
75-09-2-----	Methylene chloride	2	U
67-64-1-----	Acetone	5	U
75-15-0-----	Carbon disulfide	1	U
75-35-4-----	1,1-Dichloroethene	1	U
75-34-3-----	1,1-Dichloroethane	1	U
156-59-2-----	cis-1,2-Dichloroethene	1	U
156-60-5-----	trans-1,2-Dichloroethene	1	U
67-66-3-----	Chloroform	1	U
107-06-2-----	1,2-Dichloroethane	1	U
78-93-3-----	2-Butanone	5	U
74-97-5-----	Bromochloromethane	0.2	J
71-55-6-----	1,1,1-Trichloroethane	1	U
56-23-5-----	Carbon tetrachloride	1	U
75-27-4-----	Bromodichloromethane	1	U
78-87-5-----	1,2-Dichloropropane	1	U
10061-01-5-----	cis-1,3-Dichloropropene	1	U
79-01-6-----	Trichloroethene	1	U
124-48-1-----	Dibromochloromethane	1	U
79-00-5-----	1,1,2-Trichloroethane	1	U
71-43-2-----	Benzene	1	U
10061-02-6-----	trans-1,3-Dichloropropene	1	U
75-25-2-----	Bromoform	1	U
108-10-1-----	4-Methyl-2-pentanone	5	U
591-78-6-----	2-Hexanone	5	U
127-18-4-----	Tetrachloroethene	1	U
79-34-5-----	1,1,2,2-Tetrachloroethane	1	U
106-93-4-----	1,2-Dibromoethane	1	U
108-88-3-----	Toluene	1	U
108-90-7-----	Chlorobenzene	1	U
100-41-4-----	Ethylbenzene	1	U
100-42-5-----	Styrene	1	U
1330-20-7-----	Xylenes (Total)	1	U
541-73-1-----	1,3-Dichlorobenzene	1	U
106-46-7-----	1,4-Dichlorobenzene	1	U
95-50-1-----	1,2-Dichlorobenzene	1	U
96-12-8-----	1,2-Dibromo-3-chloropropane	1	U
120-82-1-----	1,2,4-Trichlorobenzene	1	U

CAS NO.	COMPOUND	CONCENTRATION (ug/L)	Q
74-87-3-----	Chloromethane	1	U
74-83-9-----	Bromomethane	1	U
75-01-4-----	Vinyl chloride	1	U
75-00-3-----	Chloroethane	1	U
75-09-2-----	Methylene chloride	2	U
67-64-1-----	Acetone	5	U
75-15-0-----	Carbon disulfide	1	U
75-35-4-----	1,1-Dichloroethene	1	U
75-34-3-----	1,1-Dichloroethane	1	U
156-59-2-----	cis-1,2-Dichloroethene	1	U
156-60-5-----	trans-1,2-Dichloroethene	1	U
67-66-3-----	Chloroform	1	U
107-06-2-----	1,2-Dichloroethane	1	U
78-93-3-----	2-Butanone	5	U
74-97-5-----	Bromochloromethane	0.2	J
71-55-6-----	1,1,1-Trichloroethane	1	U
56-23-5-----	Carbon tetrachloride	1	U
75-27-4-----	Bromodichloromethane	1	U
78-87-5-----	1,2-Dichloropropane	1	U
10061-01-5-----	cis-1,3-Dichloropropene	1	U
79-01-6-----	Trichloroethene	1	U
124-48-1-----	Dibromochloromethane	1	U
79-00-5-----	1,1,2-Trichloroethane	1	U
71-43-2-----	Benzene	1	U
10061-02-6-----	trans-1,3-Dichloropropene	1	U
75-25-2-----	Bromoform	1	U
108-10-1-----	4-Methyl-2-pentanone	5	U
591-78-6-----	2-Hexanone	5	U
127-18-4-----	Tetrachloroethene	1	U
79-34-5-----	1,1,2,2-Tetrachloroethane	1	U
106-93-4-----	1,2-Dibromoethane	1	U
108-88-3-----	Toluene	1	U
108-90-7-----	Chlorobenzene	1	U
100-41-4-----	Ethylbenzene	1	U
100-42-5-----	Styrene	1	U
1330-20-7-----	Xylenes (Total)	1	U
541-73-1-----	1,3-Dichlorobenzene	1	U
106-46-7-----	1,4-Dichlorobenzene	1	U
95-50-1-----	1,2-Dichlorobenzene	1	U
96-12-8-----	1,2-Dibromo-3-chloropropane	1	U
120-82-1-----	1,2,4-Trichlorobenzene	1	U

1LCE
LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: COMPUCHEM

Contract: OLC02-REVS

ACSGWPWC14

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: Y1201

Lab Sample ID: Y1201-4

Date Received: 09/23/00

Lab File ID: Y1201-4B57

Date Analyzed: 09/30/00

Purge Volume: 25 (mL)

Dilution Factor: 1.0

GC Column: EQUITY624 ID: 0.53 (mm) Length: 75 (m)

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (ug/L)	Q
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ACSGWPWC14

Lab Name: COMPUCHEM

Contract: OLC02-REVS

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: Y1201

Lab Sample ID: Y1201-4

Date Received: 09/23/00

Lab File ID: Y1201-4A60

Date Extracted: 09/25/22

Sample Volume: 1050 (mL)

Date Analyzed: 09/28/00

Concentrated Extract Volume: 1000 (uL)

Dilution Factor: 1.0

Injection Volume: 1 (uL)

CAS NO.	COMPOUND	CONCENTRATION (ug/L)	Q
---------	----------	-------------------------	---

108-95-2-----	Phenol	5	U
111-44-4-----	Bis(2-chloroethyl)ether	5	U
95-57-8-----	2-Chlorophenol	5	U
95-48-7-----	2-Methylphenol	5	U
108-60-1-----	2,2-oxybis(1-Chloropropane)	5	U
106-44-5-----	4-Methylphenol	5	U
621-64-7-----	N-Nitroso-di-N-propylamine	5	U
67-72-1-----	Hexachloroethane	5	U
98-95-3-----	Nitrobenzene	5	U
78-59-1-----	Isophorone	5	U
88-75-5-----	2-Nitrophenol	5	U
105-67-9-----	2,4-Dimethylphenol	5	U
111-91-1-----	Bis(2-chloroethoxy)methane	5	U
120-83-2-----	2,4-Dichlorophenol	5	U
91-20-3-----	Naphthalene	5	U
106-47-8-----	4-Chloroaniline	5	U
87-68-3-----	Hexachlorobutadiene	5	U
59-50-7-----	4-Chloro-3-methylphenol	5	U
91-57-6-----	2-Methylnaphthalene	5	U
77-47-4-----	Hexachlorocyclopentadiene	5	U
88-06-2-----	2,4,6-Trichlorophenol	5	U
95-95-4-----	2,4,5-Trichlorophenol	19	U
91-58-7-----	2-Chloronaphthalene	5	U
88-74-4-----	2-Nitroaniline	19	U
131-11-3-----	Dimethylphthalate	5	U
606-20-2-----	2,6-Dinitrotoluene	5	U
208-96-8-----	Acenaphthylene	5	U
99-09-2-----	3-Nitroaniline	19	U
83-32-9-----	Acenaphthene	5	U

1LCC
LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: COMPUCHEM

Contract: OLC02-REVS

ACSGWPWC14

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: Y1201

Lab Sample ID: Y1201-4

Date Received: 09/23/00

Lab File ID: Y1201-4A60

Date Extracted: 09/25/22

Sample Volume: 1050 (mL)

Date Analyzed: 09/28/00

Concentrated Extract Volume: 1000 (uL)

Dilution Factor: 1.0

Injection Volume: 1 (uL)

CAS NO.	COMPOUND	CONCENTRATION (ug/L)	Q
51-28-5-----	2,4-Dinitrophenol	19	U
100-02-7-----	4-Nitrophenol	19	U
121-14-2-----	2,4-Dinitrotoluene	5	U
132-64-9-----	Dibenzofuran	5	U
84-66-2-----	Diethylphthalate	5	U
7005-72-3-----	4-Chlorophenyl-phenylether	5	U
86-73-7-----	Fluorene	5	U
100-01-6-----	4-Nitroaniline	19	U
534-52-1-----	4,6-Dinitro-2-methylphenol	19	U
86-30-6-----	N-Nitrosodiphenylamine (1)	5	U
101-55-3-----	4-Bromophenyl-phenylether	5	U
118-74-1-----	Hexachlorobenzene	5	U
87-86-5-----	Pentachlorophenol	17	U
85-01-8-----	Phenanthrene	5	U
120-12-7-----	Anthracene	5	U
84-74-2-----	Di-n-butylphthalate	5	U
206-44-0-----	Fluoranthene	5	U
129-00-0-----	Pyrene	5	U
85-68-7-----	Butylbenzylphthalate	5	U
91-94-1-----	3,3'-Dichlorobenzidine	5	U
56-55-3-----	Benzo(a)anthracene	5	U
218-01-9-----	Chrysene	5	U
117-81-7-----	bis(2-ethylhexyl)phthalate	5	U
117-84-0-----	Di-n-octylphthalate	5	U
205-99-2-----	Benzo(b)fluoranthene	5	U
207-08-9-----	Benzo(k)fluoranthene	5	U
50-32-8-----	Benzo(a)pyrene	5	U
193-39-5-----	Indeno(1,2,3-cd)pyrene	5	U
53-70-3-----	Dibenz(a,h)anthracene	5	U
191-24-2-----	Benzo(g,h,i)perylene	5	U

(1) - Cannot be separated from Diphenylamine

1LCF

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: COMPUCHEM

Contract: OLC02-REVS

ACSGWPWC14

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: Y1201

Lab Sample ID: Y1201-4

Date Received: 09/23/00

Lab File ID: Y1201-4A60

Date Extracted: 09/25/22

Sample Volume: 1050 (mL)

Date Analyzed: 09/28/00

Concentrated Extract Volume: 1000 (uL)

Dilution Factor: 1.0

Injection Volume: 1 (uL)

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (ug/L)	Q
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^{1E}
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: COMPUCHEM

Contract: OLM04-REVS

ACSGWPWC-14

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: Y1201

Matrix: (soil/water) WATER

Lab Sample ID: Y1201-4

Sample wt/vol: 1100 (g/mL) ML

Lab File ID: _____

% Moisture: _____ decanted: (Y/N) _____

Date Received: 09/23/00

Extraction: (Type) SEPF

Date Extracted: 09/26/00

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 09/28/00

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

CAS NO. COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

EPA-CLP METALS

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ACSGWPWC-14

Lab Name: COMPUCHEM

Contract: _____

Lab Code: LIBRTY

Case No.: _____

SAS No.: _____

SDG No.: Y1201Matrix (soil/water): WATERLab Sample ID: Y1201-4Level (low/med): LOWDate Received: 09/23/00Solids: 0.0Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	34.9	U		P
7440-36-0	Antimony	1.9	U		P
7440-38-2	Arsenic	3.4	U		P
7440-39-3	Barium	167	B		P
7440-41-7	Beryllium	0.10	U		P
7440-43-9	Cadmium	0.30	U		P
7440-70-2	Calcium	92900			P
7440-47-3	Chromium	0.71	B		P
7440-48-4	Cobalt	0.50	U		P
7440-50-8	Copper	1.8	B		P
7439-89-6	Iron	2830			P
7439-92-1	Lead	2.0	U		P
7439-95-4	Magnesium	52200			P
7439-96-5	Manganese	35.2			P
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	1.0	U		P
7440-09-7	Potassium	2620	B	E	P
7782-49-2	Selenium	5.0	U		P
7440-22-4	Silver	0.60	U		P
7440-23-5	Sodium	23200			P
7440-28-0	Thallium	4.9	U		P
7440-62-2	Vanadium	0.50	U		P
7440-66-6	Zinc	16.7	B		P
	Cyanide	0.80	U		CA

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments: _____

1LCA
LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: COMPUCHEM

Contract: OLC02-REVS

ACSGWPWC94

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: Y1201

Lab Sample ID: Y1201-5

Date Received: 09/23/00

Lab File ID: Y1201-5A71

Date Analyzed: 09/30/00

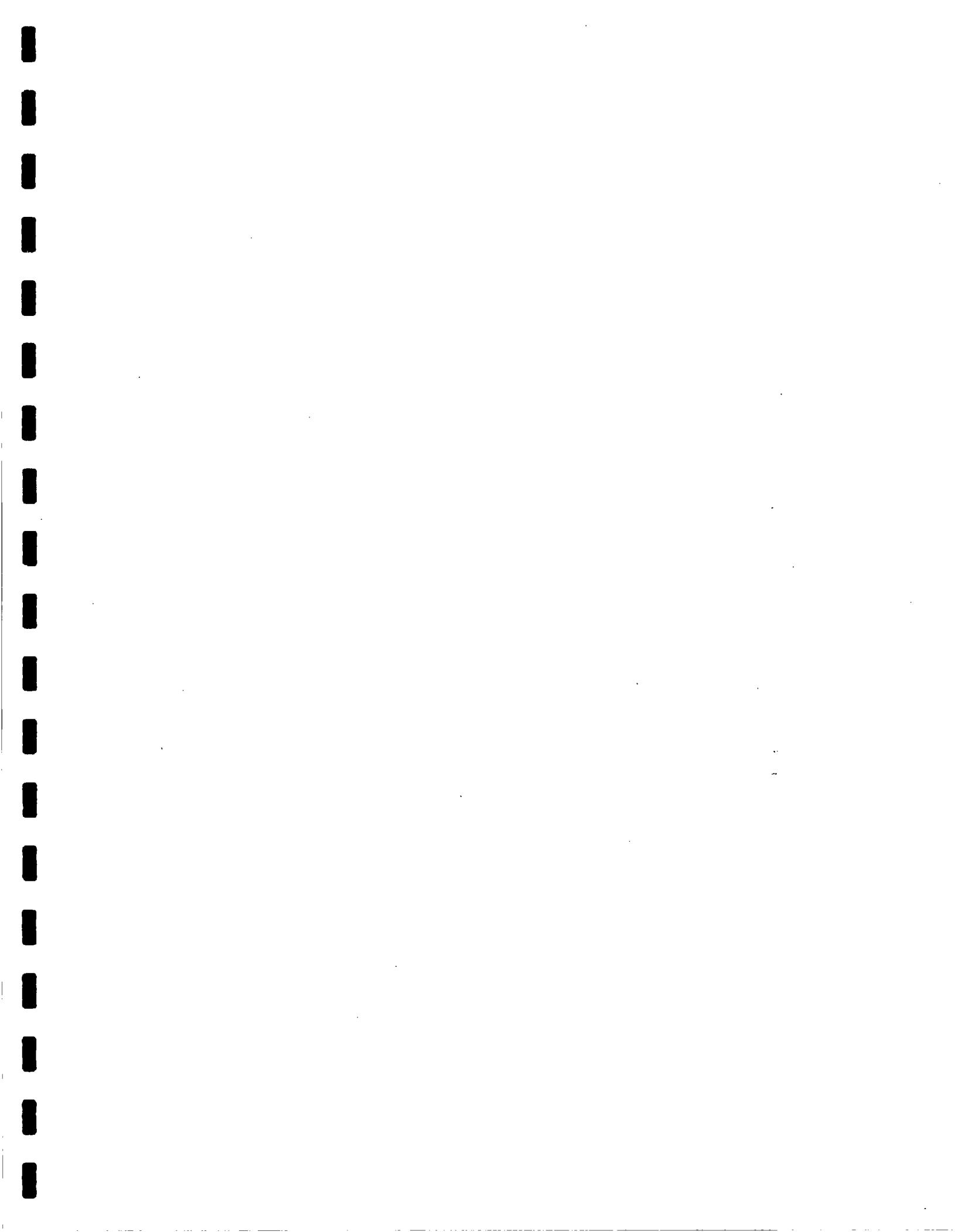
Purge Volume: 25 (mL)

Dilution Factor: 1.0

GC Column: EQUITY624 ID: 0.53 (mm) Length: 75 (m)

CONCENTRATION
(ug/L)

CAS NO.	COMPOUND		Q
74-87-3-----	Chloromethane	1	U
74-83-9-----	Bromomethane	1	U
75-01-4-----	Vinyl chloride	1	U
75-00-3-----	Chloroethane	1	U
75-09-2-----	Methylene chloride	2	U
67-64-1-----	Acetone	5	U
75-15-0-----	Carbon disulfide	1	U
75-35-4-----	1,1-Dichloroethene	1	U
75-34-3-----	1,1-Dichloroethane	1	U
156-59-2-----	cis-1,2-Dichloroethene	1	U
156-60-5-----	trans-1,2-Dichloroethene	1	U
67-66-3-----	Chloroform	1	U
107-06-2-----	1,2-Dichloroethane	1	U
78-93-3-----	2-Butanone	5	U
74-97-5-----	Bromochloromethane	1	U
71-55-6-----	1,1,1-Trichloroethane	1	U
56-23-5-----	Carbon tetrachloride	1	U
75-27-4-----	Bromodichloromethane	1	U
78-87-5-----	1,2-Dichloropropane	1	U
10061-01-5-----	cis-1,3-Dichloropropene	1	U
79-01-6-----	Trichloroethene	1	U
124-48-1-----	Dibromochloromethane	1	U
79-00-5-----	1,1,2-Trichloroethane	1	U
71-43-2-----	Benzene	1	U
10061-02-6-----	trans-1,3-Dichloropropene	1	U
75-25-2-----	Bromoform	0.2	J
108-10-1-----	4-Methyl-2-pentanone	5	U
591-78-6-----	2-Hexanone	5	U
127-18-4-----	Tetrachloroethene	1	U
79-34-5-----	1,1,2-Tetrachloroethane	1	U
106-93-4-----	1,2-Dibromoethane	1	U
108-88-3-----	Toluene	1	U
108-90-7-----	Chlorobenzene	1	U
100-41-4-----	Ethylbenzene	1	U
100-42-5-----	Styrene	1	U
1330-20-7-----	Xylenes (Total)	1	U
541-73-1-----	1,3-Dichlorobenzene	1	U
106-46-7-----	1,4-Dichlorobenzene	0.2	J
95-50-1-----	1,2-Dichlorobenzene	1	U
96-12-8-----	1,2-Dibromo-3-chloropropane	1	U
120-82-1-----	1,2,4-Trichlorobenzene	1	U



EPA-CLP METALS

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ACSGWPWY-14

Lab Name: COMPUCHEM Contract: _____

Lab Code: LIBERTY Case No.: _____ SAS No.: _____ SDG No.: Y1201

Matrix (soil/water): WATER Lab Sample ID: Y1201-1

Level (low/med): LOW Date Received: 09/21/00

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	34.9	U		P
7440-36-0	Antimony	1.9	U		P
7440-38-2	Arsenic	3.4	U		P
7440-39-3	Barium	144	B		P
7440-41-7	Beryllium	0.10	U		P
7440-43-9	Cadmium	0.30	U		P
7440-70-2	Calcium	86100			P
7440-47-3	Chromium	0.50	U		P
7440-48-4	Cobalt	0.50	U		P
7440-50-8	Copper	1.8	B		P
7439-89-6	Iron	4710			P
7439-92-1	Lead	2.0	U		P
7439-95-4	Magnesium	45100			P
7439-96-5	Manganese	42.9			P
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	1.0	U		P
7440-09-7	Potassium	2520	B	E	P
7782-49-2	Selenium	5.0	U		P
7440-22-4	Silver	0.60	U		P
7440-23-5	Sodium	23200			P
7440-28-0	Thallium	5.4	B		P
7440-62-2	Vanadium	0.50	U		P
7440-66-6	Zinc	25.8			P
	Cyanide	0.80	U		CA

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments: _____

1LCE
LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: COMPUCHEM

Contract: OLC02-REVS

ACSGWPWC94

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: Y1201

Lab Sample ID: Y1201-5

Date Received: 09/23/00

Lab File ID: Y1201-5A71

Date Analyzed: 09/30/00

Purge Volume: 25 (mL)

Dilution Factor: 1.0

GC Column: EQUITY624 ID: 0.53 (mm) Length: 75 (m)

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (ug/L)	Q
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Lab Name: COMPUCHEM

Contract: OLC02-REVS

ACSGWPWC94

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: Y1201

Lab Sample ID: Y1201-5

Date Received: 09/23/00

Lab File ID: Y1201-5A60

Date Extracted: 09/25/22

Sample Volume: 1075 (mL)

Date Analyzed: 09/28/00

Concentrated Extract Volume: 1000 (uL)

Dilution Factor: 1.0

Injection Volume: 1 (uL)

CAS NO.	COMPOUND	CONCENTRATION (ug/L)	Q
108-95-2-----	Phenol	5	U
111-44-4-----	Bis(2-chloroethyl)ether	5	U
95-57-8-----	2-Chlorophenol	5	U
95-48-7-----	2-Methylphenol	5	U
108-60-1-----	2,2-oxybis(1-Chloropropane)	5	U
106-44-5-----	4-Methylphenol	5	U
621-64-7-----	N-Nitroso-di-N-propylamine	5	U
67-72-1-----	Hexachloroethane	5	U
98-95-3-----	Nitrobenzene	5	U
78-59-1-----	Isophorone	5	U
88-75-5-----	2-Nitrophenol	5	U
105-67-9-----	2,4-Dimethylphenol	5	U
111-91-1-----	Bis(2-chloroethoxy)methane	5	U
120-83-2-----	2,4-Dichlorophenol	5	U
91-20-3-----	Naphthalene	5	U
106-47-8-----	4-Chloroaniline	5	U
87-68-3-----	Hexachlorobutadiene	5	U
59-50-7-----	4-Chloro-3-methylphenol	5	U
91-57-6-----	2-Methylnaphthalene	5	U
77-47-4-----	Hexachlorocyclopentadiene	5	U
88-06-2-----	2,4,6-Trichlorophenol	5	U
95-95-4-----	2,4,5-Trichlorophenol	19	U
91-58-7-----	2-Chloronaphthalene	5	U
88-74-4-----	2-Nitroaniline	19	U
131-11-3-----	Dimethylphthalate	5	U
606-20-2-----	2,6-Dinitrotoluene	5	U
208-96-8-----	Acenaphthylene	5	U
99-09-2-----	3-Nitroaniline	19	U
83-32-9-----	Acenaphthene	5	U

Lab Name: COMPUCHEM

Contract: OLC02-REVS

ACSGWPWC94

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: Y1201

Lab Sample ID: Y1201-5

Date Received: 09/23/00

Lab File ID: Y1201-5A60

Date Extracted: 09/25/22

Sample Volume: 1075 (mL)

Date Analyzed: 09/28/00

Concentrated Extract Volume: 1000 (uL)

Dilution Factor: 1.0

Injection Volume: 1 (uL)

CAS NO.	COMPOUND	CONCENTRATION (ug/L)	Q
51-28-5-----	2,4-Dinitrophenol	19	U
100-02-7-----	4-Nitrophenol	19	U
121-14-2-----	2,4-Dinitrotoluene	5	U
132-64-9-----	Dibenzofuran	5	U
84-66-2-----	Diethylphthalate	5	U
7005-72-3-----	4-Chlorophenyl-phenylether	5	U
86-73-7-----	Fluorene	5	U
100-01-6-----	4-Nitroaniline	19	U
534-52-1-----	4,6-Dinitro-2-methylphenol	19	U
86-30-6-----	N-Nitrosodiphenylamine (1)	5	U
101-55-3-----	4-Bromophenyl-phenylether	5	U
118-74-1-----	Hexachlorobenzene	5	U
87-86-5-----	Pentachlorophenol	17	U
85-01-8-----	Phenanthrene	5	U
120-12-7-----	Anthracene	5	U
84-74-2-----	Di-n-butylphthalate	5	U
206-44-0-----	Fluoranthene	5	U
129-00-0-----	Pyrene	5	U
85-68-7-----	Butylbenzylphthalate	5	U
91-94-1-----	3,3'-Dichlorobenzidine	5	U
56-55-3-----	Benzo(a)anthracene	5	U
218-01-9-----	Chrysene	5	U
117-81-7-----	bis(2-ethylhexyl)phthalate	5	U
117-84-0-----	Di-n-octylphthalate	5	U
205-99-2-----	Benzo(b)fluoranthene	5	U
207-08-9-----	Benzo(k)fluoranthene	5	U
50-32-8-----	Benzo(a)pyrene	5	U
193-39-5-----	Indeno(1,2,3-cd)pyrene	5	U
53-70-3-----	Dibenz(a,h)anthracene	5	U
191-24-2-----	Benzo(g,h,i)perylene	5	U

(1) - Cannot be separated from Diphenylamine

1LCF
LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: COMPUCHEM

Contract: OLC02-REVS

ACSGWPWC94

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: Y1201

Lab Sample ID: Y1201-5

Date Received: 09/23/00

Lab File ID: Y1201-5A60

Date Extracted: 09/25/22

Sample Volume: 1075 (mL)

Date Analyzed: 09/28/00

Concentrated Extract Volume: 1000 (uL)

Dilution Factor: 1.0

Injection Volume: 1 (uL)

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (ug/L)	Q
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1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: COMPUCHEM

Contract: OLM04-REVS

ACSGWPWC-94

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: Y1201

Matrix: (soil/water) WATER

Lab Sample ID: Y1201-5

Sample wt/vol: 1075 (g/mL) ML

Lab File ID: _____

% Moisture: _____ decanted: (Y/N) _____

Date Received: 09/23/00

Extraction: (Type) SEPF

Date Extracted: 09/26/00

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 09/28/00

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

CAS NO. COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

FORM I PEST

OLM04.2

EPA-CLP METALS

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ACSGWPWC-94

Lab Name: COMPUCHEM Contract: _____

Lab Code: LIBRTY Case No.: _____ SAS No.: _____ SDG No.: Y1201

Matrix (soil/water): WATER Lab Sample ID: Y1201-5

Level (low/med): LOW Date Received: 09/23/00

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	34.9	U		P
7440-36-0	Antimony	1.9	U		P
7440-38-2	Arsenic	3.4	U		P
7440-39-3	Barium	164	B		P
7440-41-7	Beryllium	0.10	U		P
7440-43-9	Cadmium	0.30	U		P
7440-70-2	Calcium	90100			P
7440-47-3	Chromium	0.50	U		P
7440-48-4	Cobalt	0.50	U		P
7440-50-8	Copper	2.4	B		P
7439-89-6	Iron	2640			P
7439-92-1	Lead	2.0	U		P
7439-95-4	Magnesium	50800			P
7439-96-5	Manganese	33.9			P
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	1.0	U		P
7440-09-7	Potassium	2540	B	E	P
7782-49-2	Selenium	5.0	U		P
7440-22-4	Silver	0.60	U		P
7440-23-5	Sodium	22600			P
7440-28-0	Thallium	4.9	U		P
7440-62-2	Vanadium	0.50	U		P
7440-66-6	Zinc	17.8	B		P
	Cyanide	0.80	U		CA

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments: _____

1LCA
LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: COMPUCHEM

Contract: OLC02-REVS

ACSGWPWD14

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: Y1201

Lab Sample ID: Y1201-6

Date Received: 09/28/00

Lab File ID: Y1201-6A71

Date Analyzed: 10/06/00

Purge Volume: 25 (mL)

Dilution Factor: 1.0

GC Column: EQUITY624 ID: 0.53 (mm) Length: 75 (m)

CONCENTRATION
(ug/L)

Q

CAS NO.	COMPOUND		
74-87-3-----	Chloromethane	1	U
74-83-9-----	Bromomethane	1	U
75-01-4-----	Vinyl chloride	1	U
75-00-3-----	Chloroethane	1	U
75-09-2-----	Methylene chloride	0.5	J
67-64-1-----	Acetone	5	U
75-15-0-----	Carbon disulfide	0.08	J
75-35-4-----	1,1-Dichloroethene	1	U
75-34-3-----	1,1-Dichloroethane	1	U
156-59-2-----	cis-1,2-Dichloroethene	1	U
156-60-5-----	trans-1,2-Dichloroethene	1	U
67-66-3-----	Chloroform	1	U
107-06-2-----	1,2-Dichloroethane	1	U
78-93-3-----	2-Butanone	5	U
74-97-5-----	Bromochloromethane	1	U
71-55-6-----	1,1,1-Trichloroethane	1	U
56-23-5-----	Carbon tetrachloride	1	U
75-27-4-----	Bromodichloromethane	1	U
78-87-5-----	1,2-Dichloropropane	1	U
10061-01-5-----	cis-1,3-Dichloropropene	1	U
79-01-6-----	Trichloroethene	1	U
124-48-1-----	Dibromochloromethane	1	U
79-00-5-----	1,1,2-Trichloroethane	1	U
71-43-2-----	Benzene	1	U
10061-02-6-----	trans-1,3-Dichloropropene	1	U
75-25-2-----	Bromoform	1	U
108-10-1-----	4-Methyl-2-pentanone	5	U
591-78-6-----	2-Hexanone	5	U
127-18-4-----	Tetrachloroethene	1	U
79-34-5-----	1,1,2,2-Tetrachloroethane	1	U
106-93-4-----	1,2-Dibromoethane	1	U
108-88-3-----	Toluene	1	U
108-90-7-----	Chlorobenzene	1	U
100-41-4-----	Ethylbenzene	1	U
100-42-5-----	Styrene	1	U
1330-20-7-----	Xylenes (Total)	1	U
541-73-1-----	1,3-Dichlorobenzene	1	U
106-46-7-----	1,4-Dichlorobenzene	1	U
95-50-1-----	1,2-Dichlorobenzene	1	U
96-12-8-----	1,2-Dibromo-3-chloropropane	1	U
120-82-1-----	1,2,4-Trichlorobenzene	1	U

1LCE
LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: COMPUCHEM

Contract: OLC02-REVS

ACSGWPWD14

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: Y1201

Lab Sample ID: Y1201-6

Date Received: 09/28/00

Lab File ID: Y1201-6A71

Date Analyzed: 10/06/00

Purge Volume: 25 (mL)

Dilution Factor: 1.0

GC Column: EQUITY624 ID: 0.53 (mm) Length: 75 (m)

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (ug/L)	Q
1.				
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Lab Name: COMPUCHEM

Contract: OLC02-REVS

ACSGWPWD14

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: Y1201

Lab Sample ID: Y1201-6

Date Received: 09/28/00

Lab File ID: Y1201-6A60

Date Extracted: 10/02/00

Sample Volume: 1100 (mL)

Date Analyzed: 10/06/00

Concentrated Extract Volume: 1000 (uL)

Dilution Factor: 1.0

Injection Volume: 1 (uL)

CAS NO.	COMPOUND	CONCENTRATION (ug/L)	Q
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108-95-2-----	Phenol	5	U
111-44-4-----	Bis(2-chloroethyl)ether	5	U
95-57-8-----	2-Chlorophenol	5	U
95-48-7-----	2-Methylphenol	5	U
108-60-1-----	2,2-oxybis(1-Chloropropane)	5	U
106-44-5-----	4-Methylphenol	5	U
621-64-7-----	N-Nitroso-di-N-propylamine	5	U
67-72-1-----	Hexachloroethane	5	U
98-95-3-----	Nitrobenzene	5	U
78-59-1-----	Isophorone	5	U
88-75-5-----	2-Nitrophenol	5	U
105-67-9-----	2,4-Dimethylphenol	5	U
111-91-1-----	Bis(2-chloroethoxy)methane	5	U
120-83-2-----	2,4-Dichlorophenol	5	U
91-20-3-----	Naphthalene	5	U
106-47-8-----	4-Chloroaniline	5	U
87-68-3-----	Hexachlorobutadiene	5	U
59-50-7-----	4-Chloro-3-methylphenol	5	U
91-57-6-----	2-Methylnaphthalene	5	U
77-47-4-----	Hexachlorocyclopentadiene	5	U
88-06-2-----	2,4,6-Trichlorophenol	5	U
95-95-4-----	2,4,5-Trichlorophenol	18	U
91-58-7-----	2-Chloronaphthalene	5	U
88-74-4-----	2-Nitroaniline	18	U
131-11-3-----	Dimethylphthalate	5	U
606-20-2-----	2,6-Dinitrotoluene	5	U
208-96-8-----	Acenaphthylene	5	U
99-09-2-----	3-Nitroaniline	18	U
83-32-9-----	Acenaphthene	5	U

Lab Name: COMPUCHEM

Contract: OLC02-REVS

ACSGWPWD14

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: Y1201

Lab Sample ID: Y1201-6

Date Received: 09/28/00

Lab File ID: Y1201-6A60

Date Extracted: 10/02/00

Sample Volume: 1100 (mL)

Date Analyzed: 10/06/00

Concentrated Extract Volume: 1000(uL)

Dilution Factor: 1.0

Injection Volume: 1 (uL)

CAS NO.	COMPOUND	CONCENTRATION (ug/L)	Q
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51-28-5-----	2,4-Dinitrophenol	18	U
100-02-7-----	4-Nitrophenol	18	U
121-14-2-----	2,4-Dinitrotoluene	5	U
132-64-9-----	Dibenzofuran	5	U
84-66-2-----	Diethylphthalate	5	U
7005-72-3-----	4-Chlorophenyl-phenylether	5	U
86-73-7-----	Fluorene	5	U
100-01-6-----	4-Nitroaniline	18	U
534-52-1-----	4,6-Dinitro-2-methylphenol	18	U
86-30-6-----	N-Nitrosodiphenylamine (1)	5	U
101-55-3-----	4-Bromophenyl-phenylether	5	U
118-74-1-----	Hexachlorobenzene	5	U
87-86-5-----	Pentachlorophenol	18	U
85-01-8-----	Phenanthrene	5	U
120-12-7-----	Anthracene	5	U
84-74-2-----	Di-n-butylphthalate	5	U
206-44-0-----	Fluoranthene	5	U
129-00-0-----	Pyrene	5	U
85-68-7-----	Butylbenzylphthalate	5	U
91-94-1-----	3,3'-Dichlorobenzidine	5	U
56-55-3-----	Benzo(a)anthracene	5	U
218-01-9-----	Chrysene	5	U
117-81-7-----	bis(2-ethylhexyl)phthalate	5	U
117-84-0-----	Di-n-octylphthalate	5	U
205-99-2-----	Benzo(b)fluoranthene	5	U
207-08-9-----	Benzo(k)fluoranthene	5	U
50-32-8-----	Benzo(a)pyrene	5	U
193-39-5-----	Indeno(1,2,3-cd)pyrene	5	U
53-70-3-----	Dibenz(a,h)anthracene	5	U
191-24-2-----	Benzo(g,h,i)perylene	5	U

(1) - Cannot be separated from Diphenylamine

1LCF

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: COMPUCHEM

Contract: OLC02-REVS

ACSGWPWD14

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: Y1201

Lab Sample ID: Y1201-6

Date Received: 09/28/00

Lab File ID: Y1201-6A60

Date Extracted: 10/02/00

Sample Volume: 1100 (mL)

Date Analyzed: 10/06/00

Concentrated Extract Volume: 1000 (uL)

Dilution Factor: 1.0

Injection Volume: 1 (uL)

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (ug/L)	Q
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1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: COMPUCHEM

Contract: OLM04-REVS

ACSGWPWD14

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: Y1201

Matrix: (soil/water) WATER

Lab Sample ID: Y1201-6

Sample wt/vol: 1075 (g/mL) ML

Lab File ID: _____

% Moisture: _____ decanted: (Y/N) _____

Date Received: 09/28/00

Extraction: (Type) SEPF

Date Extracted: 10/02/00

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 10/06/00

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND		
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4, 4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4, 4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4, 4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

FORM I PEST

OLM04.2

EPA-CLP METALS

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ACSGWPWD14

Lab Name: COMPUCHEM Contract: _____

Lab Code: LIBRTY Case No.: _____ SAS No.: _____ SDG No.: Y1201

Matrix (soil/water): WATER Lab Sample ID: Y1201-6

Level (low/med): LOW Date Received: 09/28/00

Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	34.9	U		P
7440-36-0	Antimony	1.9	U		P
7440-38-2	Arsenic	3.4	U		P
7440-39-3	Barium	150	B		P
7440-41-7	Beryllium	0.10	U		P
7440-43-9	Cadmium	0.30	U		P
7440-70-2	Calcium	95000			P
7440-47-3	Chromium	1.5	B		P
7440-48-4	Cobalt	0.50	U		P
7440-50-8	Copper	4.0	B		P
7439-89-6	Iron	2400			P
7439-92-1	Lead	2.0	U		P
7439-95-4	Magnesium	47600			P
7439-96-5	Manganese	36.3			P
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	1.0	U		P
7440-09-7	Potassium	2400	B	E	P
7782-49-2	Selenium	5.0	U		P
7440-22-4	Silver	0.60	U		P
7440-23-5	Sodium	20900			P
7440-28-0	Thallium	4.9	U		P
7440-62-2	Vanadium	0.50	U		P
7440-66-6	Zinc	1.4	B		P
	Cyanide	0.80	U		CA

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments: _____

1LCA
LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: COMPUCHEM

Contract: OLC02-REVS

ACSGWPWY-14

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: Y1201

Lab Sample ID: Y1201-1

Date Received: 09/21/00

Lab File ID: Y1201-1B54

Date Analyzed: 09/26/00

Purge Volume: 25 (mL)

Dilution Factor: 1.0

GC Column: EQUITY624 ID: 0.53 (mm) Length: 75 (m)

CAS NO.	COMPOUND	CONCENTRATION (ug/L)	Q
74-87-3-----	Chloromethane	1	U
74-83-9-----	Bromomethane	1	U
75-01-4-----	Vinyl chloride	1	U
75-00-3-----	Chloroethane	1	U
75-09-2-----	Methylene chloride	0.5	J
67-64-1-----	Acetone	8	
75-15-0-----	Carbon disulfide	1	U
75-35-4-----	1,1-Dichloroethene	1	U
75-34-3-----	1,1-Dichloroethane	1	U
156-59-2-----	cis-1,2-Dichloroethene	1	U
156-60-5-----	trans-1,2-Dichloroethene	1	U
67-66-3-----	Chloroform	1	U
107-06-2-----	1,2-Dichloroethane	1	U
78-93-3-----	2-Butanone	5	U
74-97-5-----	Bromochloromethane	1	U
71-55-6-----	1,1,1-Trichloroethane	1	U
56-23-5-----	Carbon tetrachloride	1	U
75-27-4-----	Bromodichloromethane	1	U
78-87-5-----	1,2-Dichloroproppane	1	U
10061-01-5-----	cis-1,3-Dichloropropene	1	U
79-01-6-----	Trichloroethene	1	U
124-48-1-----	Dibromochloromethane	1	U
79-00-5-----	1,1,2-Trichloroethane	1	U
71-43-2-----	Benzene	1	U
10061-02-6-----	trans-1,3-Dichloropropene	1	U
75-25-2-----	Bromoform	1	U
108-10-1-----	4-Methyl-2-pentanone	5	U
591-78-6-----	2-Hexanone	5	U
127-18-4-----	Tetrachloroethene	1	U
79-34-5-----	1,1,2,2-Tetrachloroethane	1	U
106-93-4-----	1,2-Dibromoethane	1	U
108-88-3-----	Toluene	1	U
108-90-7-----	Chlorobenzene	1	U
100-41-4-----	Ethylbenzene	1	U
100-42-5-----	Styrene	1	U
1330-20-7-----	Xylenes (Total)	1	U
541-73-1-----	1,3-Dichlorobenzene	1	U
106-46-7-----	1,4-Dichlorobenzene	1	U
95-50-1-----	1,2-Dichlorobenzene	1	U
96-12-8-----	1,2-Dibromo-3-chloropropane	1	U
120-82-1-----	1,2,4-Trichlorobenzene	1	U

ILCE
LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: COMPUCHEM

Contract: OLC02-REVS

ACSGWPWY-14

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: Y1201

Lab Sample ID: Y1201-1

Date Received: 09/21/00

Lab File ID: Y1201-1B54

Date Analyzed: 09/26/00

Purge Volume: 25 (mL)

Dilution Factor: 1.0

GC Column: EQUITY624 ID: 0.53 (mm) Length: 75 (m)

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (ug/L)	Q
1.				
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Lab Name: COMPUCHEM

Contract: OLC02-REVS

ACSGWPWY-14

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: Y1201

Lab Sample ID: Y1201-1

Date Received: 09/21/00

Lab File ID: Y1201-1A60

Date Extracted: 09/25/22

Sample Volume: 1025 (mL)

Date Analyzed: 09/28/00

Concentrated Extract Volume: 1000 (uL)

Dilution Factor: 1.0

Injection Volume: 1 (uL)

CAS NO.	COMPOUND	CONCENTRATION (ug/L)	Q
108-95-2-----	Phenol	5	U
111-44-4-----	Bis(2-chloroethyl)ether	5	U
95-57-8-----	2-Chlorophenol	5	U
95-48-7-----	2-Methylphenol	5	U
108-60-1-----	2,2-oxybis(1-Chloropropane)	5	U
106-44-5-----	4-Methylphenol	5	U
621-64-7-----	N-Nitroso-di-N-propylamine	5	U
67-72-1-----	Hexachloroethane	5	U
98-95-3-----	Nitrobenzene	5	U
78-59-1-----	Isophorone	5	U
88-75-5-----	2-Nitrophenol	5	U
105-67-9-----	2,4-Dimethylphenol	5	U
111-91-1-----	Bis(2-chloroethoxy)methane	5	U
120-83-2-----	2,4-Dichlorophenol	5	U
91-20-3-----	Naphthalene	5	U
106-47-8-----	4-Chloroaniline	5	U
87-68-3-----	Hexachlorobutadiene	5	U
59-50-7-----	4-Chloro-3-methylphenol	5	U
91-57-6-----	2-Methylnaphthalene	5	U
77-47-4-----	Hexachlorocyclopentadiene	5	U
88-06-2-----	2,4,6-Trichlorophenol	5	U
95-95-4-----	2,4,5-Trichlorophenol	20	U
91-58-7-----	2-Chloronaphthalene	5	U
88-74-4-----	2-Nitroaniline	20	U
131-11-3-----	Dimethylphthalate	5	U
606-20-2-----	2,6-Dinitrotoluene	5	U
208-96-8-----	Acenaphthylene	5	U
99-09-2-----	3-Nitroaniline	20	U
83-32-9-----	Acenaphthene	5	U

1LCE
LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: COMPUTECH

Contract: OLC02-REVS

ACSGWPWY-14

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: Y1201

Lab Sample ID: Y1201-1

Date Received: 09/21/00

Lab File ID: Y1201-1B54

Date Analyzed: 09/26/00

Purge Volume: 25 (mL)

Dilution Factor: 1.0

GC Column: EQUITY624 ID: 0.53 (mm) Length: 75 (m)

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (ug/L)	Q
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Lab Name: COMPUCHEM

Contract: OLC02-REVS

ACSGWPWY-14

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: Y1201

Lab Sample ID: Y1201-1

Date Received: 09/21/00

Lab File ID: Y1201-1A60

Date Extracted: 09/25/22

Sample Volume: 1025 (mL)

Date Analyzed: 09/28/00

Concentrated Extract Volume: 1000(uL)

Dilution Factor: 1.0

Injection Volume: 1 (uL)

CAS NO.	COMPOUND	CONCENTRATION (ug/L)	Q
108-95-2-----	Phenol	5	U
111-44-4-----	Bis(2-chloroethyl)ether	5	U
95-57-8-----	2-Chlorophenol	5	U
95-48-7-----	2-Methylphenol	5	U
108-60-1-----	2,2-oxybis(1-Chloropropane)	5	U
106-44-5-----	4-Methylphenol	5	U
621-64-7-----	N-Nitroso-di-N-propylamine	5	U
67-72-1-----	Hexachloroethane	5	U
98-95-3-----	Nitrobenzene	5	U
78-59-1-----	Isophorone	5	U
88-75-5-----	2-Nitrophenol	5	U
105-67-9-----	2,4-Dimethylphenol	5	U
111-91-1-----	Bis(2-chloroethoxy)methane	5	U
120-83-2-----	2,4-Dichlorophenol	5	U
91-20-3-----	Naphthalene	5	U
106-47-8-----	4-Chloroaniline	5	U
87-68-3-----	Hexachlorobutadiene	5	U
59-50-7-----	4-Chloro-3-methylphenol	5	U
91-57-6-----	2-Methylnaphthalene	5	U
77-47-4-----	Hexachlorocyclopentadiene	5	U
88-06-2-----	2,4,6-Trichlorophenol	5	U
95-95-4-----	2,4,5-Trichlorophenol	20	U
91-58-7-----	2-Chloronaphthalene	5	U
88-74-4-----	2-Nitroaniline	20	U
131-11-3-----	Dimethylphthalate	5	U
606-20-2-----	2,6-Dinitrotoluene	5	U
208-96-8-----	Acenaphthylene	5	U
99-09-2-----	3-Nitroaniline	20	U
83-32-9-----	Acenaphthene	5	U

1LCC
LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: COMPUCHEM

Contract: OLC02-REVS

ACSGWPWY-14

Lab Code: LIBRTY Case No.:

SAS No.: SDG No.: Y1201

Lab Sample ID: Y1201-1

Date Received: 09/21/00

Lab File ID: Y1201-1A60

Date Extracted: 09/25/22

Sample Volume: 1025 (mL)

Date Analyzed: 09/28/00

Concentrated Extract Volume: 1000 (uL)

Dilution Factor: 1.0

Injection Volume: 1 (uL)

CAS NO.	COMPOUND	CONCENTRATION (ug/L)	Q
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51-28-5-----	2,4-Dinitrophenol	20	U
100-02-7-----	4-Nitrophenol	20	U
121-14-2-----	2,4-Dinitrotoluene	5	U
132-64-9-----	Dibenzofuran	5	U
84-66-2-----	Diethylphthalate	5	U
7005-72-3-----	4-Chlorophenyl-phenylether	5	U
86-73-7-----	Fluorene	5	U
100-01-6-----	4-Nitroaniline	20	U
534-52-1-----	4,6-Dinitro-2-methylphenol	20	U
86-30-6-----	N-Nitrosodiphenylamine (1)	5	U
101-55-3-----	4-Bromophenyl-phenylether	5	U
118-74-1-----	Hexachlorobenzene	5	U
87-86-5-----	Pentachlorophenol	18	U
85-01-8-----	Phenanthrene	5	U
120-12-7-----	Anthracene	5	U
84-74-2-----	Di-n-butylphthalate	5	U
206-44-0-----	Fluoranthene	5	U
129-00-0-----	Pyrene	5	U
85-68-7-----	Butylbenzylphthalate	5	U
91-94-1-----	3,3'-Dichlorobenzidine	5	U
56-55-3-----	Benzo(a)anthracene	5	U
218-01-9-----	Chrysene	5	U
117-81-7-----	bis(2-ethylhexyl)phthalate	5	U
117-84-0-----	Di-n-octylphthalate	5	U
205-99-2-----	Benzo(b)fluoranthene	5	U
207-08-9-----	Benzo(k)fluoranthene	5	U
50-32-8-----	Benzo(a)pyrene	5	U
193-39-5-----	Indeno(1,2,3-cd)pyrene	5	U
53-70-3-----	Dibenz(a,h)anthracene	5	U
191-24-2-----	Benzo(g,h,i)perylene	5	U

(1) - Cannot be separated from Diphenylamine

1LCF
LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: COMPUCHEM Contract: OLC02-REVS

ACSGWPWY-14

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: Y1201

Lab Sample ID: Y1201-1 Date Received: 09/21/00

Lab File ID: Y1201-1A60 Date Extracted: 09/25/22

Sample Volume: 1025 (mL) Date Analyzed: 09/28/00

Concentrated Extract Volume: 1000 (uL) Dilution Factor: 1.0

Injection Volume: 1 (uL)

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (ug/L)	Q
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1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ACSGWPWY-14

Lab Name: COMPUCHEM

Contract: OLM04-REVS

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: Y1201

Matrix: (soil/water) WATER

Lab Sample ID: Y1201-1

Sample wt/vol: 1075 (g/mL) ML

Lab File ID: _____

% Moisture: _____ decanted: (Y/N) _____

Date Received: 09/21/00

Extraction: (Type) SEPF

Date Extracted: 09/26/00

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 09/28/00

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

CAS NO. COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4, 4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4, 4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4, 4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

FORM I PEST

OLM04.2

